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Overview

BODY CONTROL SYSTEM DESCRIPTION AND OPERATION

The body control system consists of the Body Control Module (BCM), communications, and various input and outputs. Some inputs, outputs and messages require other modules to interact with the BCM. The BCM also has discrete input and output terminals to control the vehicle's body functions. The BCM is wired to the GMLAN high speed serial data buss and the GMLAN low speed serial data buss and acts as a gateway between them. If the BCM does not communicate the vehicle will not start due to the inability of the Engine Control Module (ECM)/ Powertrain Control Module (PCM) and Theft Deterrent Module (TDM) to communicate without the BCM providing the gateway function.

POWER MODE MASTER

This vehicles BCM functions as the Power Mode Master (PMM). The ignition switch is a low current switch with multiple discrete ignition switch signals to the PMM for determination the power mode that will be sent over the serial data circuits to the other modules that need this information, and so the PMM will activate relays and other direct outputs of the PMM as needed.

SERIAL DATA GATEWAY

The BCM in this vehicle functions as a gateway or translator. The purpose of the gateway is to translate serial data messages between the GMLAN high speed buss and the GMLAN low speed buss for communication between the various modules. The gateway will interact with each network according to that network's transmission protocol.

One example of this necessary communication is the communication between the ECM/PCM which is high speed serial data and TDM which is low speed serial data. If these modules can not exchange information, the vehicle will not start.

Communication between the BCM and a scan tool can be on the high speed GMLAN network or low speed GMLAN network. If one network is lost, the BCM can still communicate with the scan tool. A lost communication Diagnostic Trouble Code (DTC) typically is set in modules other than the module with a communication failure.

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Overview (cont'd)

BODY CONTROL MODULE

The various body control module (BCM) input and output circuits are described in the corresponding functional areas indicated on the BCM electrical schematics. Some BCM functions with the subsystems may be as a gateway only or as an enable for the system. The BCM related systems/subsystems include, but are not limited to the following:

- Antilock Brake System (ABS)-- .
- Automatic Day-Night Mirror--
- Cruise Control System-- .
- Electrical Power Management (EPM)--
- Exterior Lighting--Refer to.
- Horn System-- .
- HVAC .
- Instrument Cluster Indicator Control--
- Interior Lighting-- .
- Power Door Lock System-- .
- Rear Window Defogger System--
- Redundant Steering Wheel Controls--
- Remote Function Actuation (RFA) Control
- Retained Accessory Power (RAP)--
- Shift Lock Control System
- Starting System .
- Supplemental Inflatable Restraint (SIR) System
- Theft Deterrent-- .
- Tire Pressure Monitor (TPM) System
- Wiper/Washer System Functions

DataLink Communications Description and Operation

CIRCUIT DESCRIPTION

The communication among control modules is performed through the high speed GMLAN serial data circuits and the low speed GMLAN serial data circuit. The modules that need real time communication are attached to the High Speed GMLAN network. The Body Control Module (BCM) is the gateway between the high and low speed networks. Refer to ***Body Control System Description and Operation*** for more information about the gateway.

Signal supervision is the process of determining whether an expected signal is being received or not. Some messages are sent on a periodic basis and are interpreted as a heartbeat of a device. If such a signal is lost, the signal supervision part of the software will set a no communication DTC (U. code) against the missing device. This code is mapped on the Tech 2 screen as a code against the physical device. A lost communication DTC typically is set in modules other than the module with a communication failure.

GMLAN HIGH-SPEED CIRCUIT DESCRIPTION

The Data Link Connector (DLC) allows a scan tool to communicate with the high speed GMLAN serial data circuit. The serial data is transmitted on 2 twisted wires that allow speed up to 500 Kb/s. The twisted pair is terminated with two 120-ohm resistors, one is internal to the Engine Control Module (ECM) and the other is after the Electronic Brake Control Module (EBCM), or if equipped, the suspension control module.
The high speed GMLAN is a differential bus. The high speed GMLAN serial data bus (+) and high speed GMLAN serial data (-) are driven to opposite extremes from a rest or idle level. The idle level, which is approximately 2.5 volts, is considered recessive transmitted data and is interpreted as a logic 1. Driving the lines to their extremes, adds 1 volt to the high speed GMLAN serial data bus (+) and subtracts 1 volt from the high speed GMLAN serial data bus (-) wire. If a communication signal is lost, the application will set a no communication code against the respective control module. This code is mapped on the Tech 2 screen as a code against the physical device. Note: a loss of serial data DTC does not represent a failure of the module that the code is set in. The high speed GMLAN serial data allows communication between the BCM, ECM, Transmission Control Module (TCM), Vehicle Communication Interface Module (VCIM), 4WD control module, EBCM, and the suspension control module depending on RPO.

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DataLink Communications Description and Operation (cont'd)

GMLAN LOW-SPEED CIRCUIT DESCRIPTION

The Data Link Connector (DLC) allows a scan tool to communicate with the low speed GMLAN serial data circuit. The serial data is transmitted over a single wire to the appropriate control modules. Under normal vehicle operating conditions, the speed of the buss is 33.33 Kb/s. This protocol produces a simple pulse train sent out over the GMLAN low speed serial data bus. When a module pulls the buss high, 5 volts, this creates a logic state of 0 on the buss. When the buss is pulled low, 0 volts, it is translated as a logic state of 1. To wake the control modules connected to the GMLAN low speed serial data buss, a wake up signal is sent out over the buss. Modules connected to the GMLAN low speed buss can be part of a virtual network as described in GMLAN High Speed Circuit Description above. The modules on the GMLAN low speed serial data buss are connected to the buss using several splice or "star" connectors separating groups of modules. The following list states the splices and modules connected to the low speed serial data circuits:

I/P Splice

- Data Link Connector (DLC), connected only to the Instrument Panel (I/P) splice.
- Amplifier (Amp)
- Rear Seat Audio (RSA) .
- Vehicle Communication Interface Module (VCIM)
- Digital Radio Receiver (DRR)
- Inside Rearview Mirror Module (ISRVM), connected through the mid I/P fuse block
- Instrument Panel Cluster (IPC)
- Body Control Module (BCM)
- Theft Deterrent Module (TDM)
- Heater Ventilation and Air Conditioning (HVAC)
- Radio
- Driver Door Switch (DDS), connected through the left I/P fuse block
- Passenger Door Switch (PDS), connected through the right I/P fuse block

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DataLink Communications Description and Operation (cont'd)

Body Splice

- Articulating Running Board Module (ARBM)
- Ultrasonic Park Assist (UPA)
- Memory Seat Module (MSM)
- Liftgate Module (LGM)
- Passenger Presence System (PPS)
- Inflatable restraint vehicle Rollover Sensor (ROS)
- Inflatable restraint Sensing and Diagnostic Module (SDM)

Serial Data Reference

The scan tool communicates over the various busses on the vehicle. When a scan tool is installed on a vehicle, the scan tool will try to communicate with every module that could be optioned into the vehicle. If an option is not installed on the vehicle, the scan tool will display No COMM for that options specific control module.

In order to avert misdiagnoses of No Communication with a specific module, refer to ***Data Link References*** for a list of modules, the busses they communicate with, and the Regular Production Option (RPO) codes for a specific module.

Electric Power Management – Description and Operation

Electric Power Management

The Electric Power Management (EPM) is used to monitor and control the charging system and alert the driver of possible problems within the charging system. The EPM system makes the most efficient use of the generator output, improves the battery State Of Charge (SOC), extends battery life.

The idle boost operation is a means of improving generator performance during a low voltage or low battery SOC condition.

Idle boost is activated in incremental steps, idle boost 1 must be active before idle boost 2 can be active. The criteria used by the Body Control Module (BCM) to regulate EPM are outlined below.

Function	**Battery Temperature Calculation**	**Battery Voltage Calculation**	**Amp-hour Calculation**	**Action Taken**
Idle Boost 1 Start	Less Than -15°C (+5°F)	Less Than 13 V	--	First Level Idle Boost Requested
Idle Boost 1 Start	--	--	Battery has a net loss greater than 0.6 AH	First Level Idle Boost Requested
Idle Boost 1 Start	--	Less Than 10.9 V	--	First Level Idle Boost Requested
Idle Boost 1 End	Greater Than -10°C (+5°F)	Greater Than 12 V	Battery has a net loss less than 0.2 AH	First Level Idle Boost Request Cancelled
Idle Boost 2 Start	--	--	Battery has a net loss greater than 1.6 AH	Second Level Idle Boost Requested
Idle Boost 2 Start	--	Less Than 10.9 V	--	Second Level Idle Boost Requested
Idle Boost 2 End	--	Greater Than 12 V	Battery has a net loss less than 0.8 AH	Second Level Idle Boost Request Cancelled
Idle Boost 3 Start	--	--	Battery has a net loss of 10.0 AH	Third Level Idle Boost Requested
Idle Boost 3 End	--	Greater Than 12 V	Battery has a net loss of less than 6 AH	Third Level Idle Boost Request Cancelled

Power Mode – Description and Operation

Serial Data Power Mode Master

Power to many of this vehicles circuits is controlled by the module that is designated the Power Mode Master (PMM). This vehicle's PMM is the Body Control Module (BCM). The ignition switch is a low current switch with multiple discrete ignition switch signals to the PMM for determination of the power mode that will be sent over the serial data circuits to the other modules that need this information. The PMM will also activate relays and other direct outputs of the PMM as needed. The PMM determines which power mode (Off, Accessory, Run, Crank Request) is required, and reports this information to other modules via serial data. Modules which have switched voltage inputs may operate in a default mode if the PMM serial data message does not match what the individual module can see from its own connections.

The PMM receives ignition switch signals to identify the operators desired power mode. The PMM Power Mode Parameters table below illustrates the correct state of these input parameters (circuits) in correspondence to the ignition switch position:

PMM Power Mode Parameters Ignition Switch Position	Power Mode Transmitted	Ignition Off/Run/Crank (Run Crank Ignition 1 Voltage Circuit)	Ignition Accessory/Run (Accessory Voltage Circuit)	Ignition Run/Crank (Ignition 1 Voltage Circuit)
Off Key Out	Off	Key Out/ACC	Inactive	Inactive
Off Key In	Off	Key In/Off	Inactive	Inactive
Accessory	Accessory	Key Out/ACC	Active	Inactive
Run	Run	Run	Active	Active
Start	Crank Request	Crank	Inactive	Active

Relay Controlled Power Mode

The BCM uses the discrete ignition switch inputs Run/Crank Ignition 1 Voltage, Accessory Voltage, and Ignition 1 Voltage, to distinguish the correct power mode. The BCM, after determining the desired power mode, will activate the appropriate relays for that power mode.

The RAP relay remains on for a timed period after the Ignition key is removed. Refer to ***Retained Accessory Power (RAP) Description and Operation*** for more information on the RAP function.

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Power Mode – Description and Operation (cont'd)

BCM Awake/Sleep States

The Body Control Module (BCM) is able to control or perform all of the BCM functions in the awake state. The BCM enters the sleep state when active control or normal monitoring of system functions has stopped and a time limit has passed. The BCM must detect certain wake-up inputs before entering the awake state. The BCM monitors for these inputs during the sleep state.

The BCM will enter the awake state if **any** of the following wake-up inputs are detected:

- Activity on the serial data line
- Detection of a battery reconnect
- Any door open signal
- Headlamps ON
- Key-in-ignition
- Ignition ON
- Park lamps ON
- Keyless entry or remote start message

The BCM will enter a sleep state when **all** of the following conditions exist:

- The ignition switch is OFF, key out.
- No activity exists on the serial data line.
- No outputs are commanded.
- No delay timers are actively counting.
- No wake-up inputs are present.

If all these conditions are met, the BCM will enter a low power or sleep condition.

Retained Accessory Power (RAP) – Description and Operation

Serial Data Control of Retained Accessory Power (RAP)

The modules receive the power mode message from the Body Control Module (BCM) over the serial data circuits, indicating when the Retained Accessory Power (RAP) power mode is current. The BCM monitors the ignition switch position, battery condition and passenger compartment doors status to determine whether RAP should be initiated. The modules then support the operation of the systems under their control as required by their RAP power mode operation. Components and systems that are active in RAP are also activated anytime the ignition is any position other than OFF.

The BCM sends a serial data power mode message ending the RAP function when one of the following conditions is met:

- The BCM receives an input indicating the opening of any passenger compartment door after the ignition key is out of the ignition.

  Important: The only door that will turn off the radio during RAP is the driver door.
  This is a function of the radio and will still turn off after the time limit.
- The BCM internal timer for the RAP expires after approximately 10 minutes.
- The BCM detects a decrease in battery capacity below a prescribed limit.

Relay Control of Retained Accessory Power (RAP)

The BCM keeps the Retained Accessory Power (RAP) relay energized during all power modes, except Off-Awake and Crank. The relay is also energized for approximately 10 minutes after shutting the ignition OFF and removing the key, providing no door is opened. The BCM will de-energize the RAP relay at the same time as the serial data message is sent to end RAP.

The devices powered by the accessory relay during the RAP power mode are the sunroof, power window switches and Brake Transmission Shift Interlock (BTSI)/Park Lock .

Power Take-Off (PTO) – Bulletin #79

Bulletin #79

The all new PTO Subsystem Factory Options include all components & wiring for a tested functional system (speed control). Two Bulletins are offered to describe the system.

Bulletin #79 provides a brief description

The bulletin shows the location of the following components included with the option:

1. New Driver control switch.
2. New PTO module
3. New 16-way connector for user interface.

The bulletin contains the following sections

1. System Overview
2. Detailed Functional Description
3. Standard vs. Optional Features

The link to Bulletin #79 is

http://www.gmupfitter.com/publicat/bull/52993_UpfitBlltn79_D4.pdf

Note: These bulletins address the "All New," not the "Classic" C/K truck.

(continued on next page)

Power Take-Off (PTO) – Bulletin #80

Bulletin #80 Bulletin #80 is a complete Operating Description and Application Guide. The Table of contents is as follows:

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The Link to Bulletin #80 is:

http://www.gmupfitter.com/publicat/bull/63135_PTO_Bulletin_80_D5.pdf

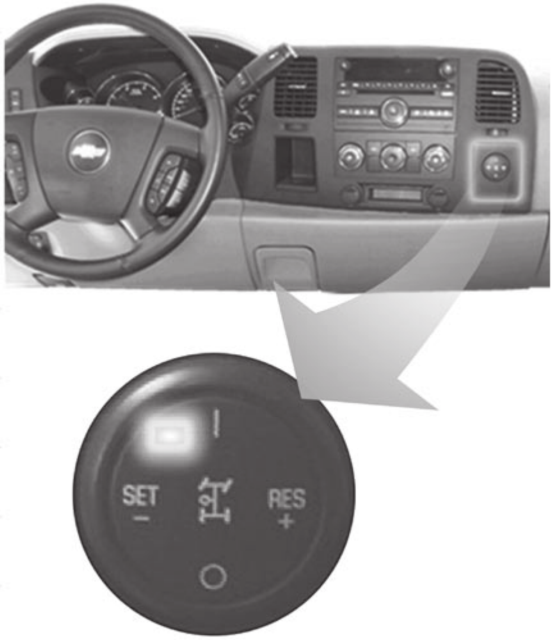
Power Take-Off (PTO) – Fast Idle (UF3) Overview

PTO

Engine rpm is adjusted with an IP mounted activation switch. There are two engine rpm selections available which are preset at the factory. Engine RPM settings and PTO modes can be modified at the dealer with GM Tech tool. PTO price includes Switch, PTO Module, DIC messages, dedicated wiring for easy interface and, power-take-off gear in transmission. PTO access is available on driver side only, (K34 Cruise Control is not required, N/A with UF3 high idle).
PTO can't be added later if not ordered.

PTO Controls Location

The PTO switch is mounted in the right side of the center instrument panel as part of the factory-installed PTO package. The PTO switch is a four position rocker type.



For complete information about this option, see GM Upfitter Bulletin #80 at:
http://www.gmupfitter.com/publicat/bull/63135_PTO_Bulletin_80_D5.pdf

UF3 – Fast Idle

- Fast Idle Option (UF3) **is not available** on 2007 trucks
- UF3 cannot be retrofitted on 2007 trucks – no kits are available
- UF3 will be available on some 2008 trucks
- To obtain Fast Idle capability on 2008 trucks, you must order:
    1. 2500/3500 Series – UF3 is not available on 1500 Series trucks
    2. 6.0L (LY6) Gas Engine or 6.6L (LMM) Diesel Engine
    3. Cruise Control Option (K34)
    4. Fast Idle Option (UF3)
- UF3 cannot be retrofitted on 2008 trucks – no kits are available

For complete information about this option, see GM Upfitter Bulletin #82 at:
http://www.gmupfitter.com/publicat/bull/63135_FastIdle_UI_82_D3.pdf

Snowplow/Front Lighting – Prep (VYU) Electrical Providions

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Snowplow Prep Package (VYU) Electrical Provisions

Emergency Roof-Mounted Lamp Switch
This provision includes an over head console mounted switch , a relay, and wiring which terminates at the roof as coiled blunt cut wires – Option TRW. There are two blunt cut 12-gauge (3.0 mm2) wires, one is Dark Green (roof-mounted lamp power), it is controlled by the over head console -mounted switch through the relay, the other is Black (ground). The Dark Green power wire is protected by the 30-Amp S/ROOF fuse #33 which is located in the Underhood Electrical Center.

VYU Generators

- On 1500/2500 Series trucks equipped with Gas Engines, the VYU option provides upgrade to a larger 160 amp output generator
- On 2500/3500 Series trucks equipped with Diesel Engines, the VYU option provides upgrade to dual 125 amp generators
- Refer to the Generator Chart on page A-18

Accessory Harness Grommet
Trucks will come equipped with a predrilled 42mm pass-through hole located on the dash panel on the left hand side of the vehicle. The hole will be sealed with a grommet (see Figure 3) which can be used by the upfitter for pass-through wiring. To use the grommet (part# 15336702), the upfitter slices off the tape tab end (in engine compartment) of the grommet and then spreads it open to pass wiring through.

Forward Lamp Harness In-Line Connectors
The turn signals are driven from the BCM. Changes in turn signal current may require the use of additional relays. The Studs on the UBEC can be used for battery power for the relays. This wire requires a separate in-line fuse.

The Chevrolet (X88) and GMC (Z88) utilities have different forward lamps.

- Chevrolet forward lamp wiring harness will have a set of mating eight cavity connectors on both the left and right hand side of the vehicle The upfitter will be able to disconnect the in-line connectors which will allow interfacing with the forward lamp circuits (Front Parklamp, Turn Signal and DRL). The headlamp circuits may be accessed from the headlamp connectors.
- GMC lamp wiring harness will have a set of mating 3 cavity connectors on both the left and right hand side of the vehicle for Turn Signal and Park Lamps. High and Low beams do not have an in-line connector. The VYU options adds an additional set of mating 3 cavity connectors on both the left and right hand side of the vehicle for High and Low beams.

The Chevrolet (X88) and GMC (Z88) pickups have the same forward lamps.

- These are similar to the Chevrolet utility. The difference is the utilities have a separate Daytime Running Lamp (DRL). The Pickups use a reduced intensity Low Beam Headlamp for DRL. Both the pickups and the Chevrolet utility use the same eight cavity connectors for the forward lamp wiring. The difference is the pickups have no connection for the DRL.

Backup Lamp Power Feed
A backup lamp power feed is provided at the rear of the vehicle through the trailer wiring harness as a standard feature. This circuit is protected by the 10-Amp TRLR B/U fuse which is located in the Under hood Electrical Center. On vehicles with Light Duty Trailer Wiring this circuit can be accessed through the Light Green trailer wire. This wire is located in pin A of the trailer connector at the rear of the vehicle (see figure 6). On vehicles with Heavy Duty Trailer Wiring option, this connector is mated with a socket at the rear of the vehicle (see figure 7).

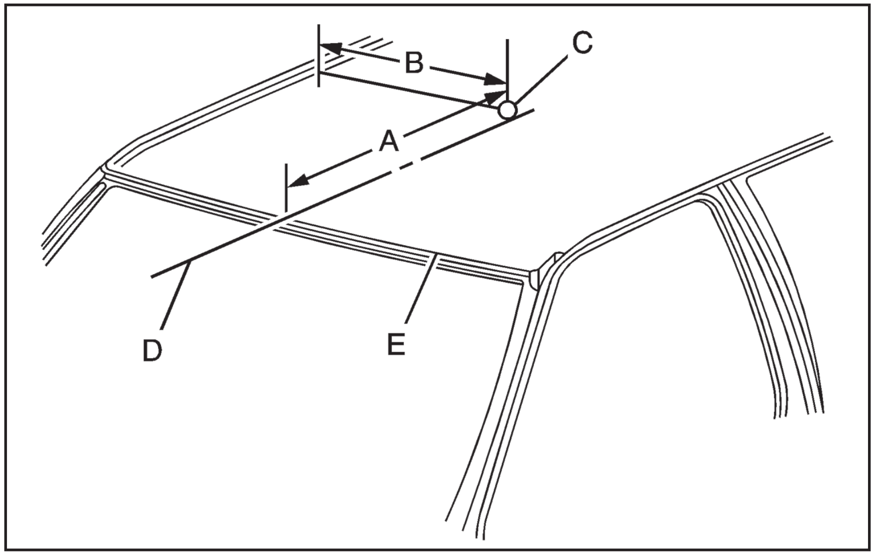
Roof Mounted Beacon (TRW)

Battery power is supplied through a 30 amp fuse to a wiring harness located in the roof. Power is controlled with a switch located in the overhead console. The customer or vehicle upfitter must complete the installation to an added accessory such as an emergency beacon lamp.

Maximum rated electrical load is 21 amps (250 watts). The added electrical requirements must not exceed 21 amps (250 watts). Running the accessory for long periods of time with the engine off may run the battery down.

Installation Instructions — Emergency Vehicle Roof Panel Lamp

Wiring to the accessory can be done by either directly connecting the wire in the roof to the accessory (Option A) or by using Wiring Harness Package part number 12150250 obtained from GM Service Parts (Option B).



A. 25.39 inches (645 mm)
B. 17.32 inches (440 mm)
C. 3.94 inches (100 mm)
D. Roof Centerline
E. Roof Edge

Emergency Vehicle Roof Panel Lamp (continued on next page)

Roof Mounted Beacon (TRW) (cont'd)

Emergency Vehicle Roof Panel Lamp (continued from previous page)

1. Disconnect the battery negative (-) cable at the battery.
2. Make the electrical connections using either option A or option B.

Notice: Pulling the wiring harness through a panel hole that has sharp edges may cause damage to the wire and/or wire insulation. Remove sharp edges from the panel hole before pulling the wire through it.

Option A: Roof Wires Directly to Accessory

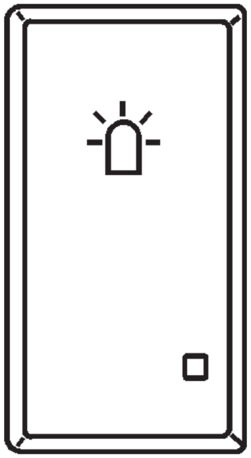
1. Drill a 3/8 inch to 1/2 inch (10 to 13 mm) hole in the outer roof panel in the area shown in the illustration. The hole should only go through the outer panel. Remove all sharp edges from the drilled hole.
2. Remove the inside overhead console access panel/lamp lenses.
3. The accessory harness is coil tied to the passenger's side of the vehicle at the console inner bracket.
4. Cut the tape holding the harness coil.
5. As one person watches the roof hole from the outside for the end of the harness, a second person from the inside of the vehicle should snake the harness toward the hole.
6. Pull out the wiring harness being careful to avoid scraping the insulation on the edge of the hole.
7. Extend the wiring harness to the accessory.
8. Connect the dark green wire to the accessory hot terminal.
9. Connect the black wire to the accessory ground terminal.
10. Cover the hole in the roof with a durable sealant such as silicone rubber sealer.
11. Reinstall the overhead console access panel/lamp lenses.

Option B: Use Wiring Harness Package 12150250.
Obtain from GM Service Parts through the GM Dealership

1. Drill a 1.25 inch (32 mm) hole in the outer roof panel in the area shown in the illustration. The hole should only go through the outer panel. Remove all sharp edges from the drilled hole.
2. Remove the inside overhead console access panel/lamp lenses.
3. The accessory harness is coil tied to the passenger's side of the vehicle at the console inner bracket.
4. Cut the tape holding the harness coil.
5. As one person watches the roof hole from the outside for the end of the harness, a second person from the inside of the vehicle should snake the harness toward the hole.
6. Pull out the wiring harness being careful to avoid scraping the insulation on the edge of the hole.
7. Cut the wire to length. Install terminals to wire ends and insert into the connector. The brown wire goes to cavity A and the black wire in cavity B. Push in the secondary lock to retain the wires.
8. Attach the harness assembly from the package to the accessory. Cover with the supplied conduit for added protection. Connect the orange wire to the accessory hot terminal and the black wire to the ground.
9. Complete the connection from the roof harness to the extension harness. Cover the mated connector with the supplied foam. Push the foam covered connection and excess wire through the roof panel hole.
10. Reinstall the overhead console access panel/lamp lenses.

Emergency Vehicle Roof Panel Lamp (continued on next page)

Roof Mounted Beacon (TRW) – Restoring Power



The auxiliary lamp switch is located on the overhead console.

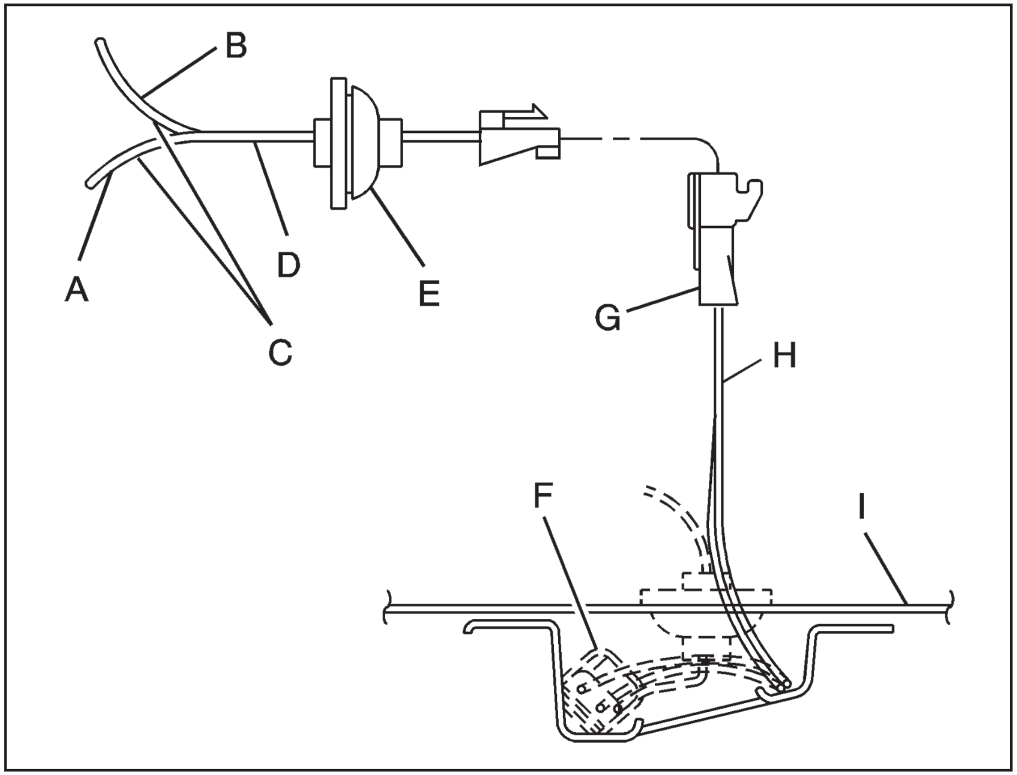
This switch includes wiring provisions for a dealer or a qualified service center to install an auxiliary roof lamp. When the wiring is connected to an auxiliary roof mounted lamp, pressing the bottom of the switch will activate the lamp and illuminate an indicator light at the bottom of the switch. Pressing the top of the switch again will turn off the roof mounted lamp and indicator.

1. Be sure that the auxiliary lamp switch is off.
2. Reconnect the battery negative cable.
3. Turn the auxiliary lamp switch on. The accessory should now be working. If it is not working, check the connections.
4. After ensuring that the accessory is working properly, install the grommet in the hole. Seal with silicone sealer to prevent water leakage.

Notice: Overloading the vehicle's electrical system may damage your vehicle's accessories.
Do not overload the vehicle's system by having unnecessary accessories on at the same time.

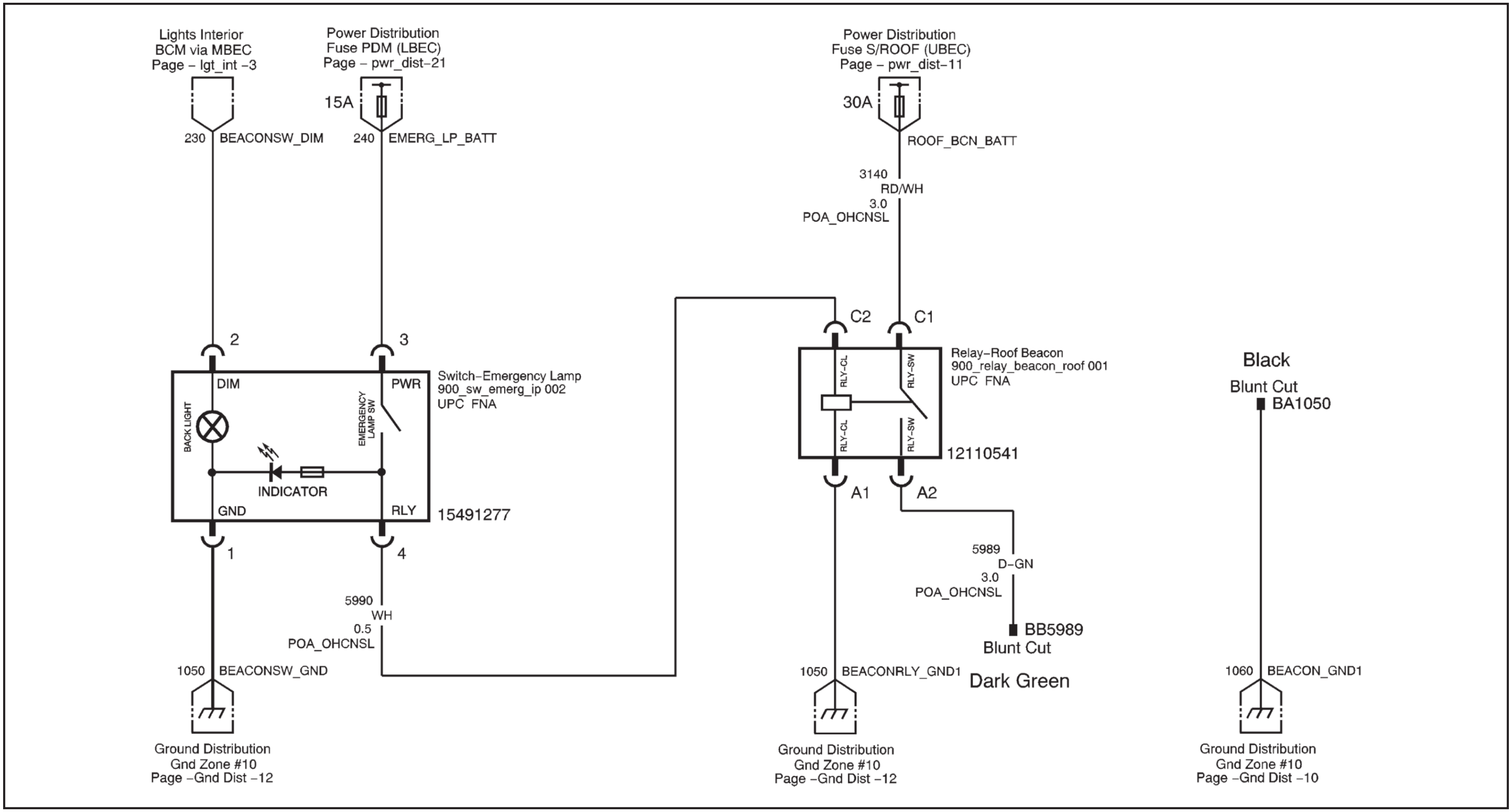
Roof Mounted Beacon (TRW)

Option B



A. Black Wire
B. Orange Wire
C. To Roof Mounted Lamp
D. Harness Assembly
E. Grommet (Roof)
F. Foam Insulator (Adhesive-Backed)
G. Harness Connector, Secondary Lock and Terminal
H Brown Black Wire
I. Vehicle Outer Roof Panel

Roof Mounted Beacon (TRW)


Lights Interior
BCM via MBEC
Page – lgt_int –3
230 BEACONSW_DIM
Power Distribution
Fuse PDM (LBEC)
Page – pwr_dist–21
15A
240 EMERG_LP_BATT
2
3
DIM
PWR
BACK LIGHT
EMERGENCY LAMP SW
INDICATOR
GND
RLY
Switch–Emergency Lamp
900_sw_emerg_ip 002
UPC FNA
15491277
1
4
5990
WH
0.5
POA_OHCNSL
1050 BEACONSW_GND
Ground Distribution
Gnd Zone #10
Page –Gnd Dist –12
Power Distribution
Fuse S/ROOF (UBEC)
Page – pwr_dist–11
30A
ROOF_BCN_BATT
3140
RD/WH
3.0
POA_OHCNSL
C2
C1
RLY–CL
RLY–SW
Relay–Roof Beacon
900_relay_beacon_roof 001
UPC FNA
12110541
A1
A2
5989
D–GN
3.0
POA_OHCNSL
BB5989
Blunt Cut
Dark Green
1050 BEACONRLY_GND1
Ground Distribution
Gnd Zone #10
Page –Gnd Dist –12
Black
Blunt Cut
BA1050
1060 BEACON_GND1
Ground Distribution
Gnd Zone #10
Page –Gnd Dist –10

Maintenance

The circuit is fed from the #2 post on the underhood electrical center and protected by the fuse labeled #2 post located in the electrical center. Always replace the fuse with a 30 amp maxi-fuse.

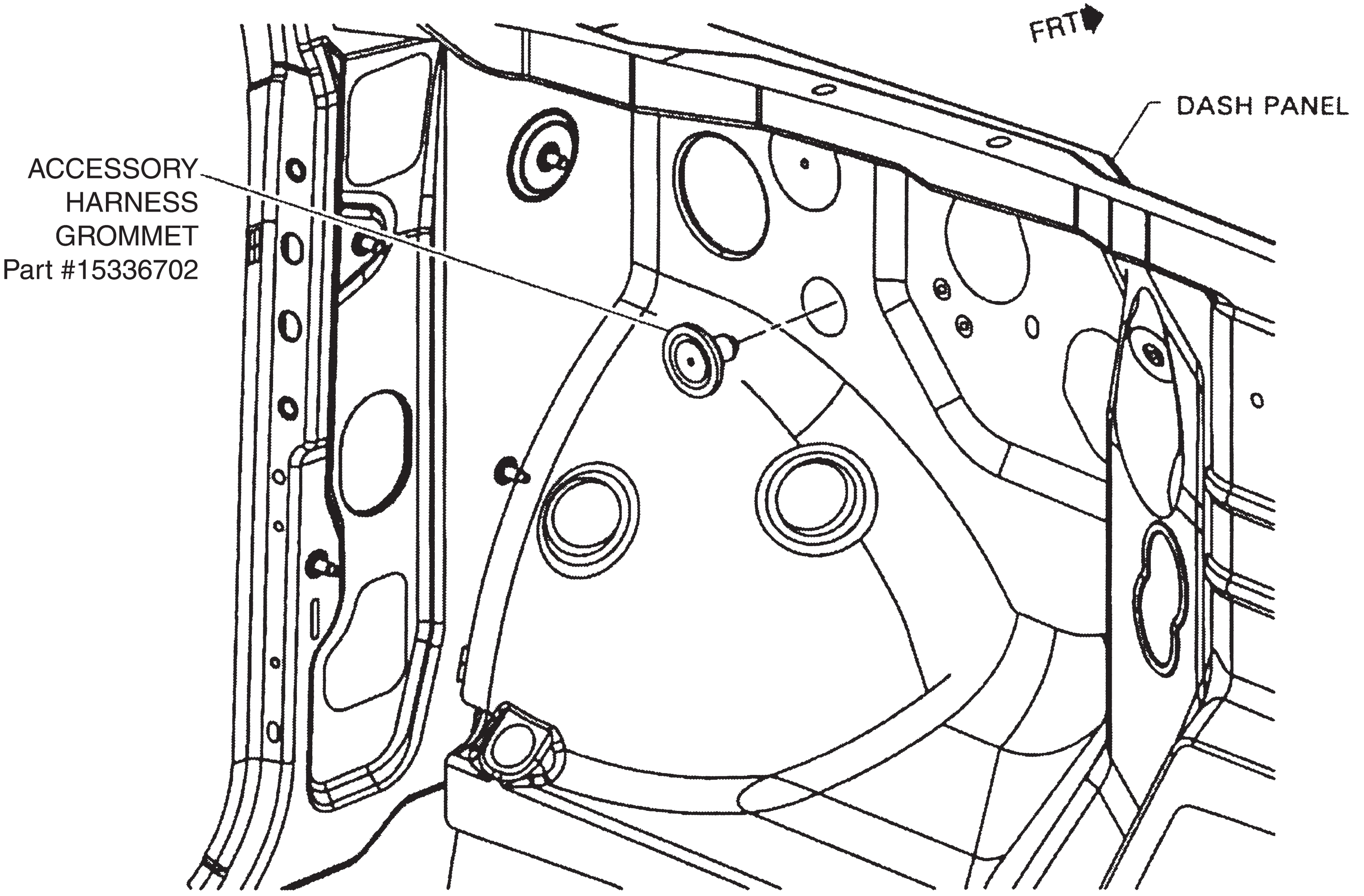
Generator Usage

Vehicle Type	Vehicle Series	Options and/or Special Equipment	Engine Cooling Fans	Engine Type	Generator RPO/Make/Model	Generator Output (Amps)
Utility – Light Duty	10	Base	Dual Electric	Gas	KW1 / Remy / DR44M	160
Utility – Heavy Duty	20	Base	Engine Driven	Gas	KG3 / Remy / DR44M	145
	20	VYU – Snow Plow	Engine Driven	Gas	KW1 / Remy / DR44M	160
Pickup – Light Duty	10	Base	Dual Electric	Gas	KG3 / Remy / DR44M	145
	10	VYU – Snow plow	Dual Electric	Gas	KW1 / Remy / DR44M	160
Pickup – Heavy Duty	20/30	Base	Engine Driven	Gas/Diesel	KG7 / Bosch / E6	125
	20/30	VYU – Snow Plow	Engine Driven	Gas	KW1 / Remy / DR44M	160
	20/30	VYU – Snow Plow	Engine Driven	Diesel	K76 / Bosch / E6 X 2	125 X 2 = 250
	20/30	K76 – Dual Generators	Engine Driven	Diesel	K76 / Bosch / E6 X 2	125 X 2 = 250

Generator RPO's

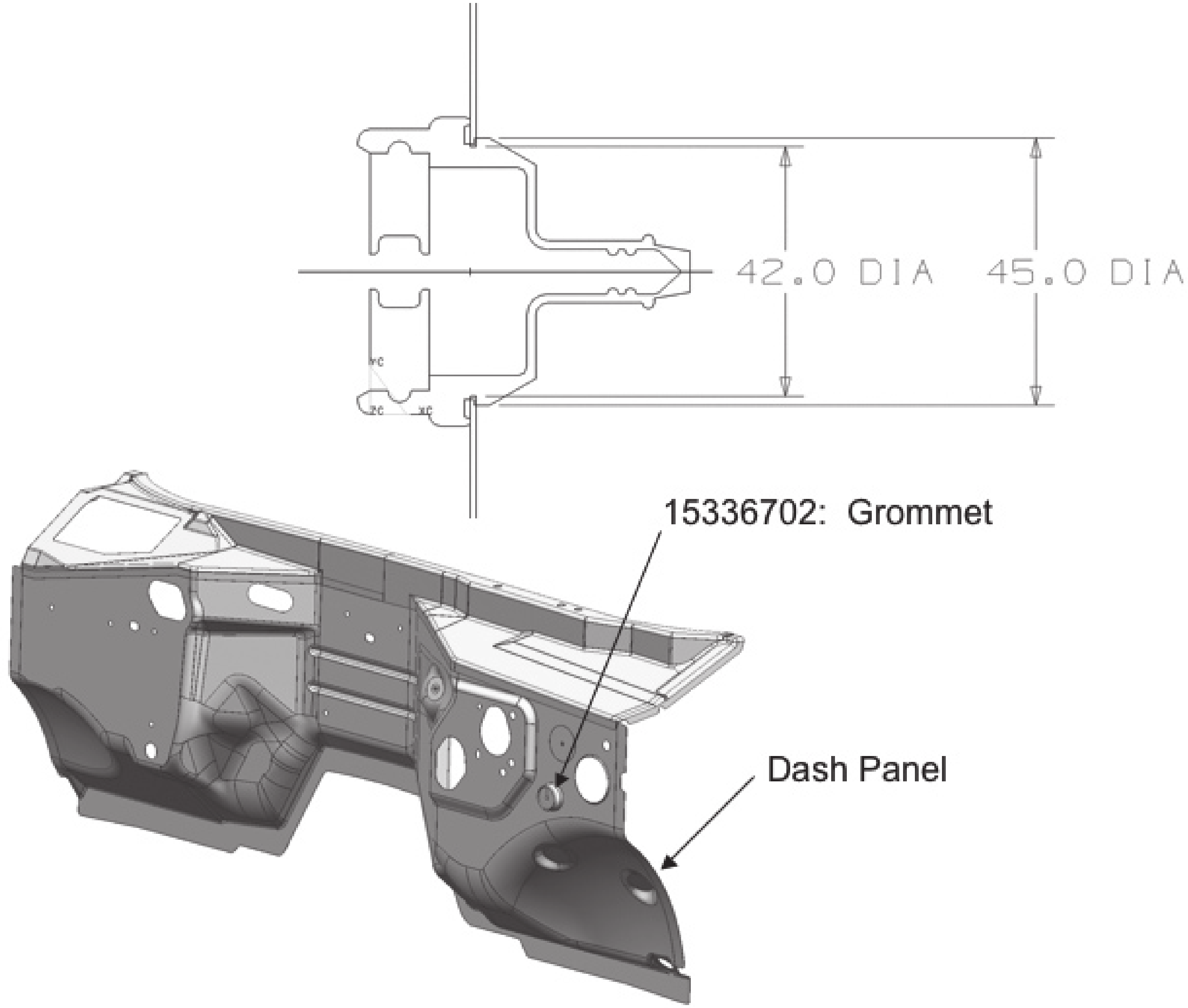
• 125 Amp	KG7
• 145 Amp	KG3
• 160 Amp	KW1
• 125 Amp X 2	K76

Accessory Harness Grommet


FRT
DASH PANEL
ACCESSORY
HARNESS
GROMMET
Part #15336702

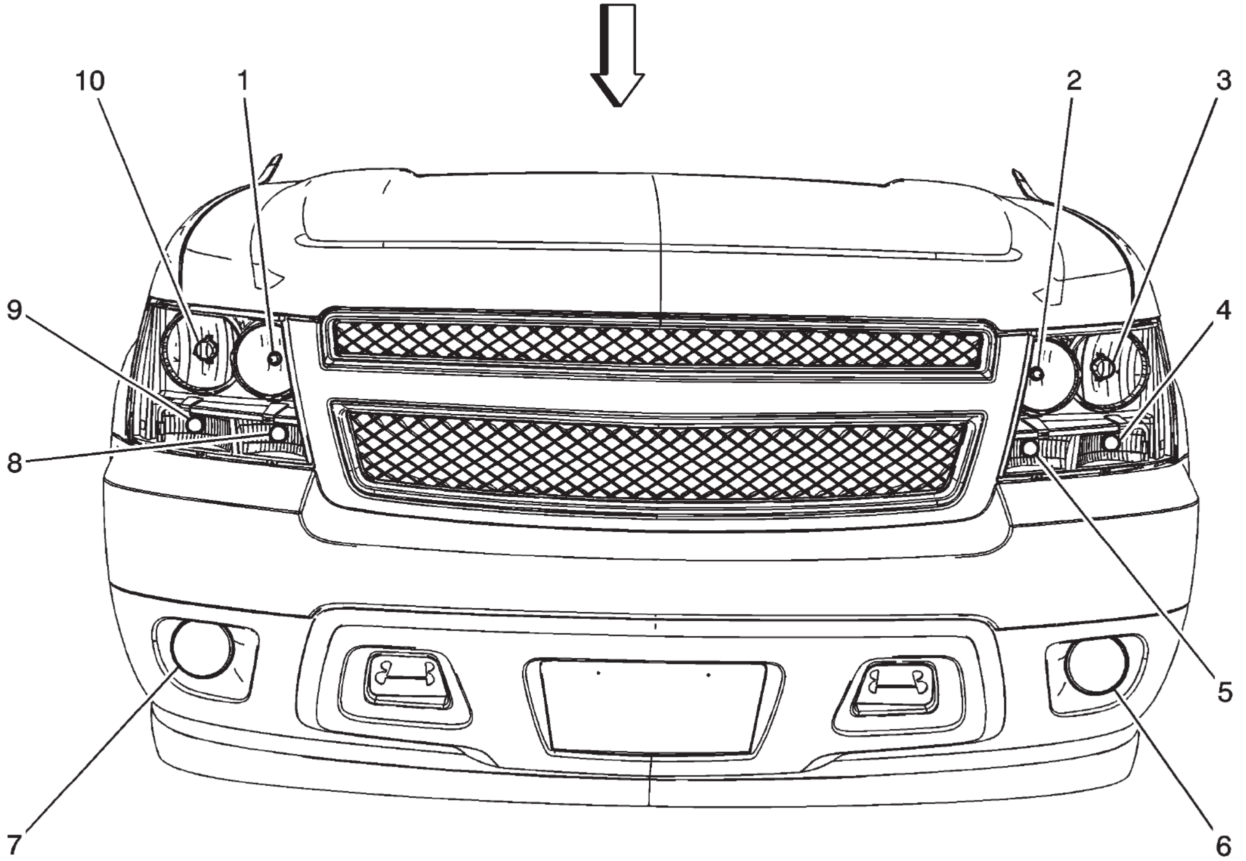
ACCESSORY HARNESS GROMMET

VYU Hole Location


42.0 DIA
45.0 DIA
15336702: Grommet
Dash Panel

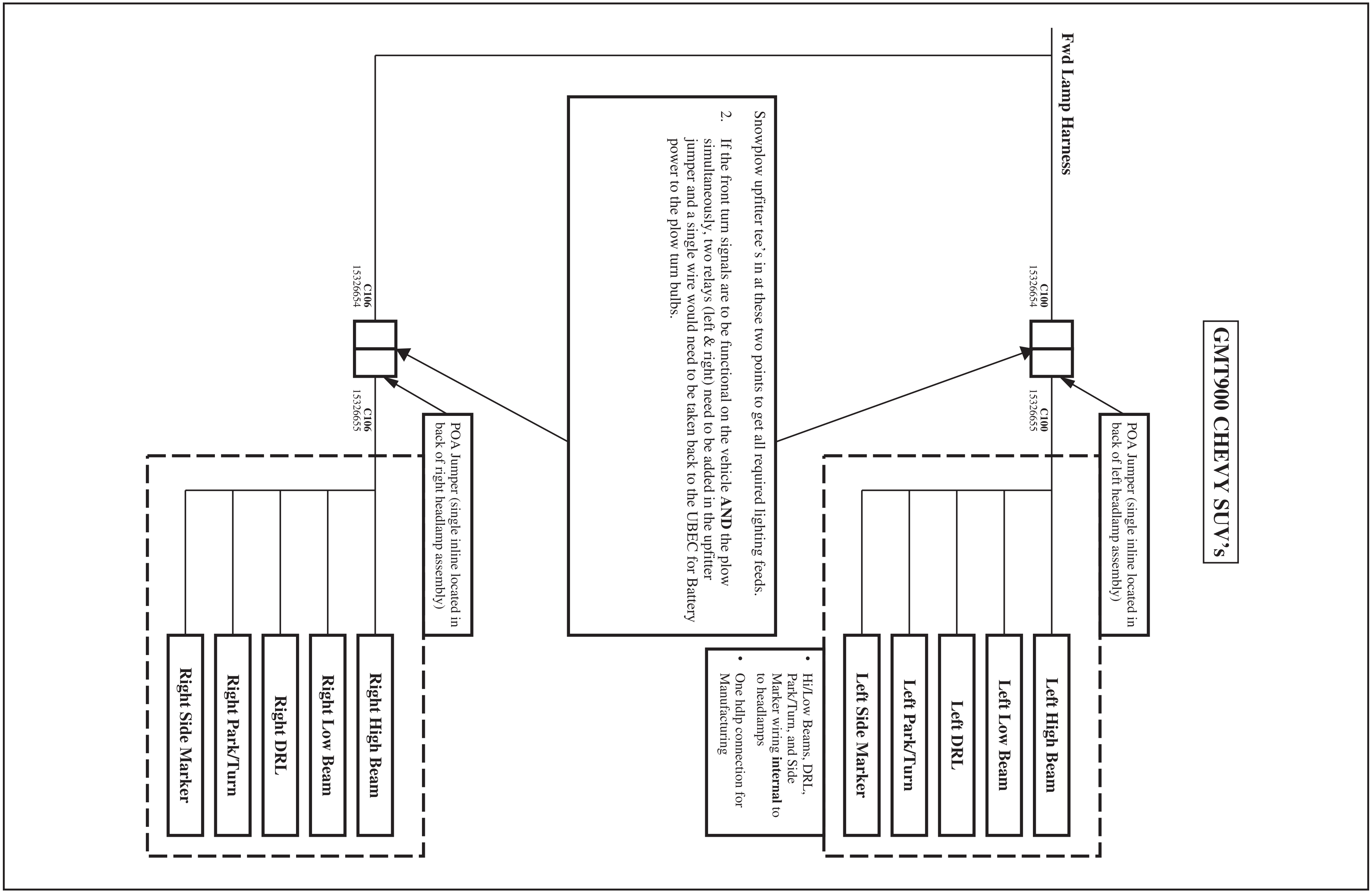
Chevrolet Tahoe SUV (X88)

Front of the Vehicle (X88)



1. Headlamp - High Beam - Right
2. Headlamp - High Beam - Left
3. Headlamp - Left
4. Park/Turn Signal Lamp - Left
5. Daytime Running Lamp (DRL) - Left
6. Fog Lamp - LF
7. Fog Lamp - RF
8. Daytime Running Lamp (DRL) - Right
9. Park/Turn Signal Lamp - Right
10. Headlamp - Right

Forward Lighting & Additional Turn Signals – Chevrolet Tahoe & Suburban (X88)


Fwd Lamp Harness
C106
15326654
C106
15326655
C100
15326654
C100
15326655
GMT900 CHEVY SUV's
Right Side Marker
Right Park/Turn
Right DRL
Right Low Beam
Right High Beam
Left Side Marker
Left Park/Turn
Left DRL
Left Low Beam
Left High Beam

Snowplow upfitter tee's in at these two points to get all required lighting feeds.

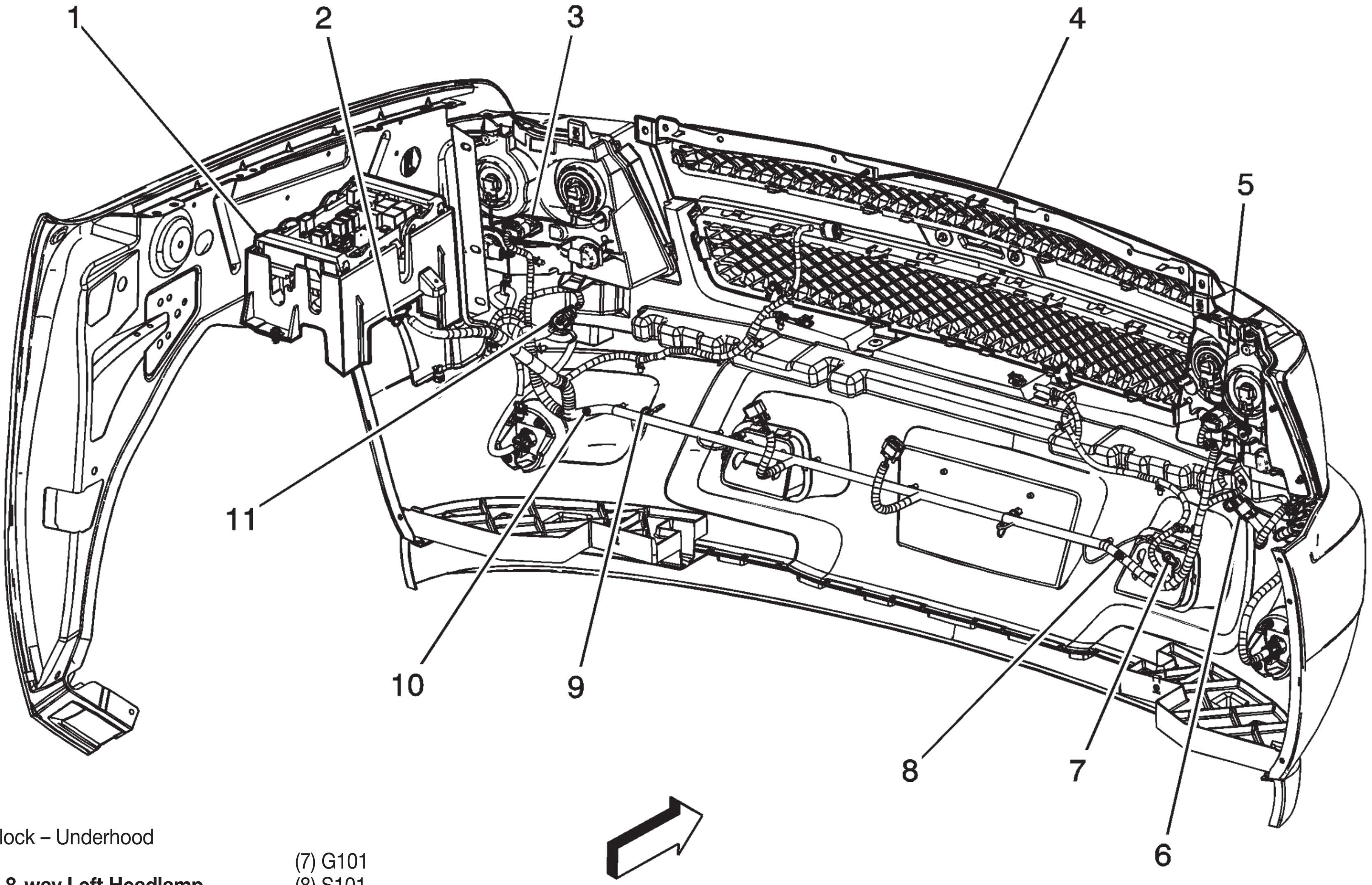
2. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.

POA Jumper (single inline located in back of right headlamp assembly)

POA Jumper (single inline located in back of left headlamp assembly)

- Hi/Low Beams, DRL, Park/Turn, and Side Marker wiring **internal** to headlamps
- One hdlp connection for Manufacturing

Front Fascia Harnesses Chevrolet Tahoe (X88)

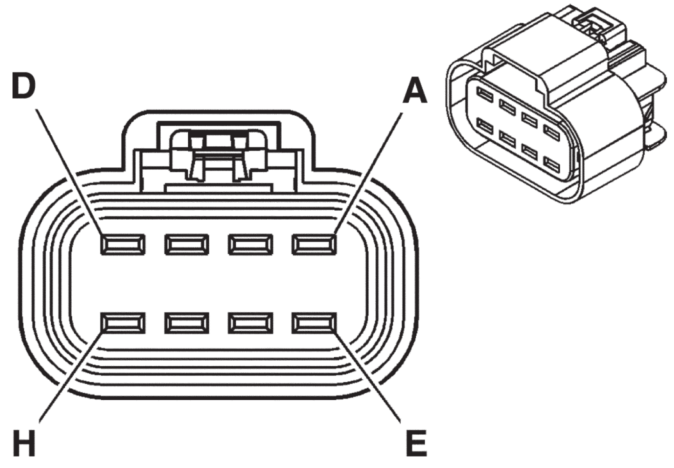


(1) Fuse Block – Underhood
(2) C103
(3) X100 – 8-way Left Headlamp
(4) Grill
(5) X106 – 8-way Right Headlamp
(6) C105 (T96)
(7) G101
(8) S101
(9) G100
(10) S100
(11) C102 (T96)

X100 Forward Lamp Harness to Left Headlamp Harness (X88-Z75)

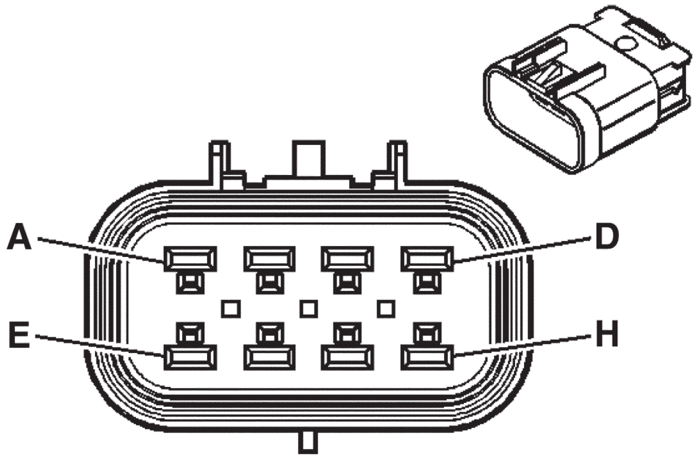
Connector: 8-Way F GT 280 Series, Sealed (BK)
O.E.M.: 15326654
Color: **BLK**
Service: 88986254

Pin	Wire Color	Circuit No.	Function
A	YE	712	Left Headlamp Low Beam Supply Voltage
B	BK	150	Ground
C	D-GN/WH	711	Left Headlamp High Beam Supply Voltage
D	––	––	Not Used
E	BN	2509	Left Rear Park Lamps Supply Voltage
F	BK	250	Ground
G	L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage (X88)
H	––	––	Not Used



Connector: 8-Way M GT 280 Series, Sealed (BK)
O.E.M.: 15326655
Color: **BLK**
Service: 15306424

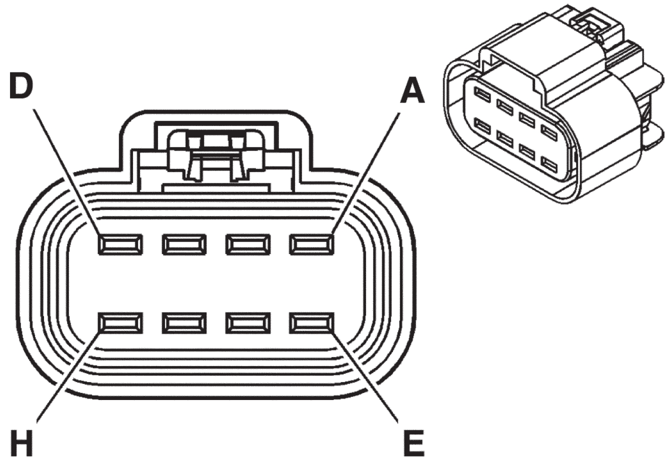
Pin	Wire Color	Circuit No.	Function
A	YE	––	Left Headlamp Low Beam Supply Voltage
B	BK	––	Ground
C	D-GN/WH	––	Left Headlamp High Beam Supply Voltage
D	––	––	Not Used
E	BN	––	Left Rear Park Lamps Supply Voltage
F	BK	––	Ground
	BK	––	Ground
G	L-BU/WH	––	Left Front Turn Signal Lamp Supply Voltage (X88)
H	––	––	Not Used



X106 Forward Lamp Harness to Right Headlamp Harness (X88 or Z75)

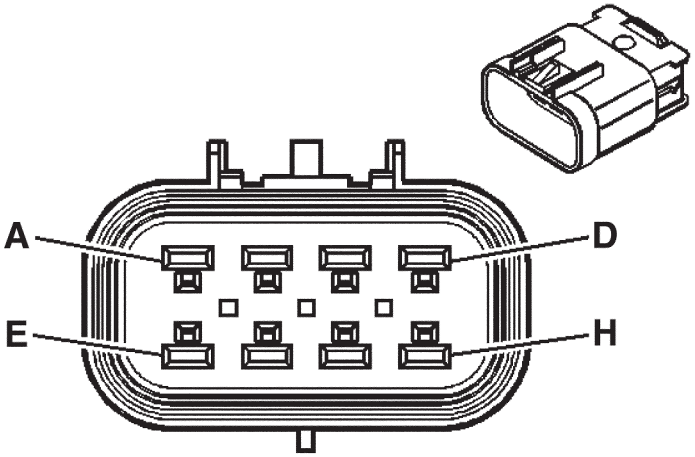
Connector: 8-Way F GT 280 Series, Sealed (BK)
O.E.M.: 15326654
Color: **BLK**
Service: 88986254

Pin	Wire Color	Circuit No.	Function
A	TN/WH	312	Right Headlamp Low Beam Supply Voltage
B	BK	250	Ground
C	L-GN/BK	311	Right Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	2609	Right Rear Park Lamps Supply Voltage
F	BK	150	Ground
	BK	250	Ground
G	D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage
H	– –	– –	Not Used

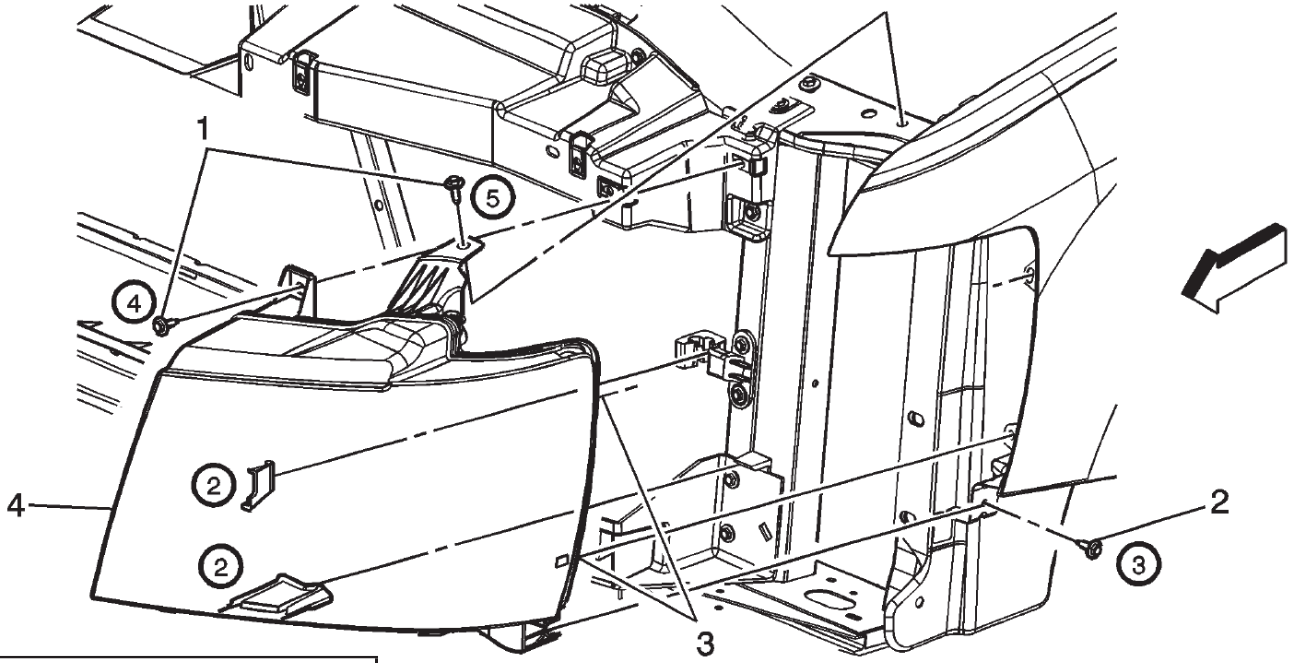


Connector: 8-Way M GT 280 Series, Sealed (BK)
O.E.M.: 15326655
Color: **BLK**
Service: 15306424

Pin	Wire Color	Circuit No.	Function
A	TN/WH	– –	Right Headlamp Low Beam Supply Voltage
B	BK	– –	Ground
C	L-GN/BK	– –	Right Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	– –	Right Rear Park Lamps Supply Voltage
F	BK	– –	Ground
	BK	– –	Ground
G	D-BU/WH	– –	Right Front Turn Signal Lamp Supply Voltage
H	– –	– –	Not Used

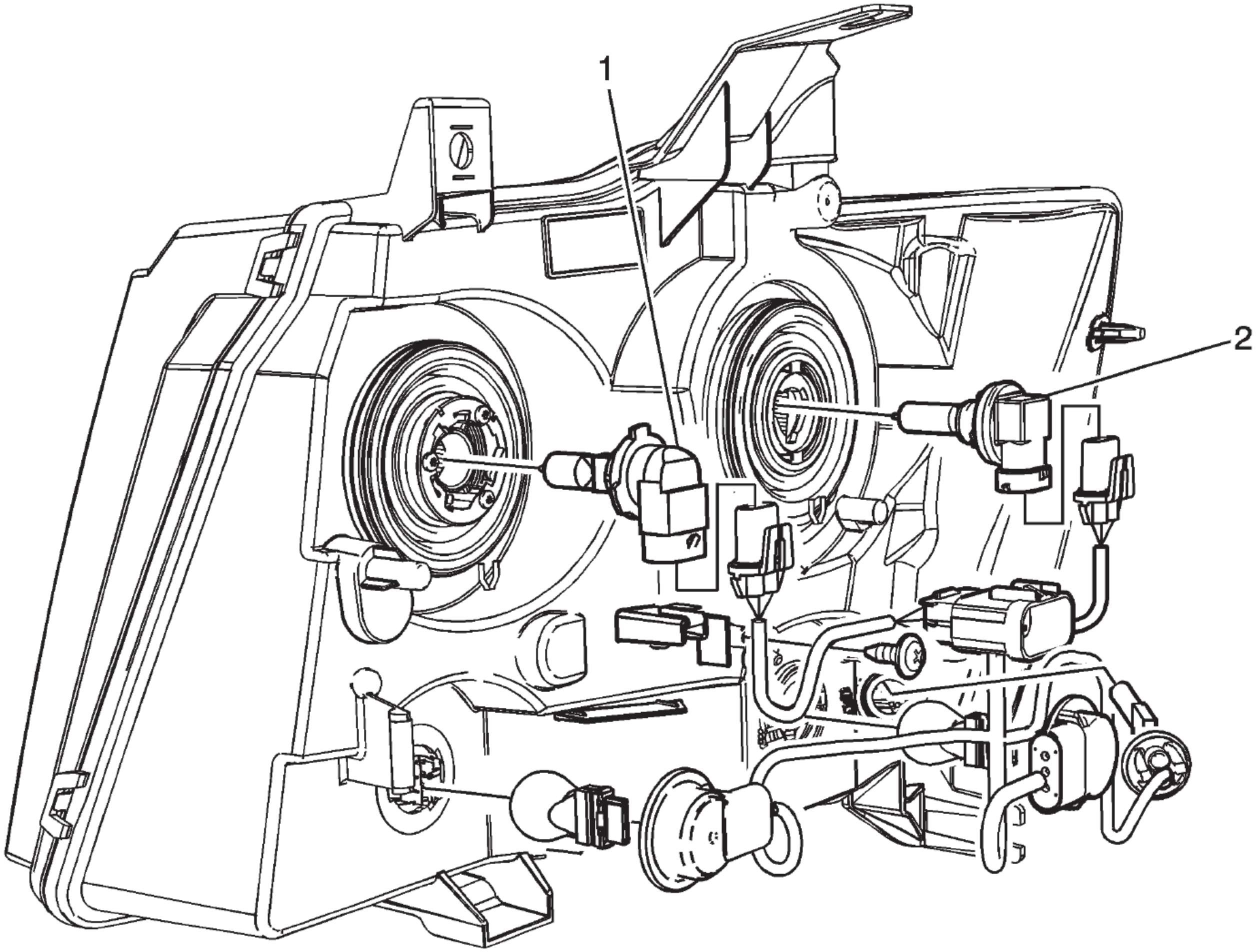


Headlamp Replacement – Chevrolet Tahoe SUV (X88)



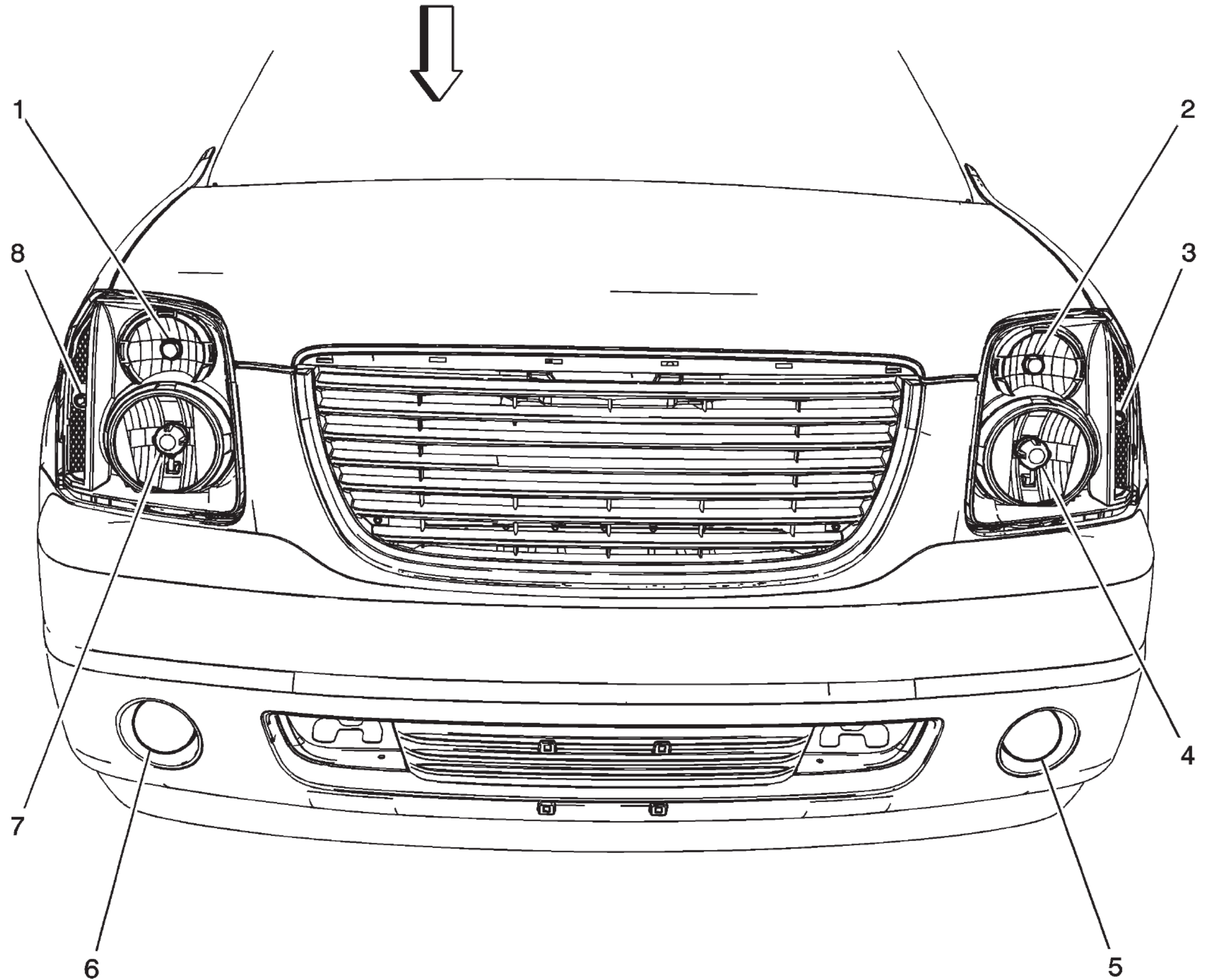
Callout	Component Name
Notice: Refer to Fastener Notice in Cautions and Notices. Fastener Tightening Specifications: Refer to Fastener Tightening Specifications. **Preliminary Procedure** Remove the grille assembly. Refer to Fascia Grille Replacement	
1	Headlamp Screw **Tighten** 9 N•m (80 lb in)
2	Headlamp Screw **Tighten** 2 N•m (18 lb in)
3	Headlamp Assembly Alignment Tabs **Tip** Pull to release the tabs on the back of the headlamp assembly
4	Headlamp Assembly **Tip** Disconnect the electrical connectors

Headlamp Bulb Replacement – Chevrolet Tahoe SUV (X88)



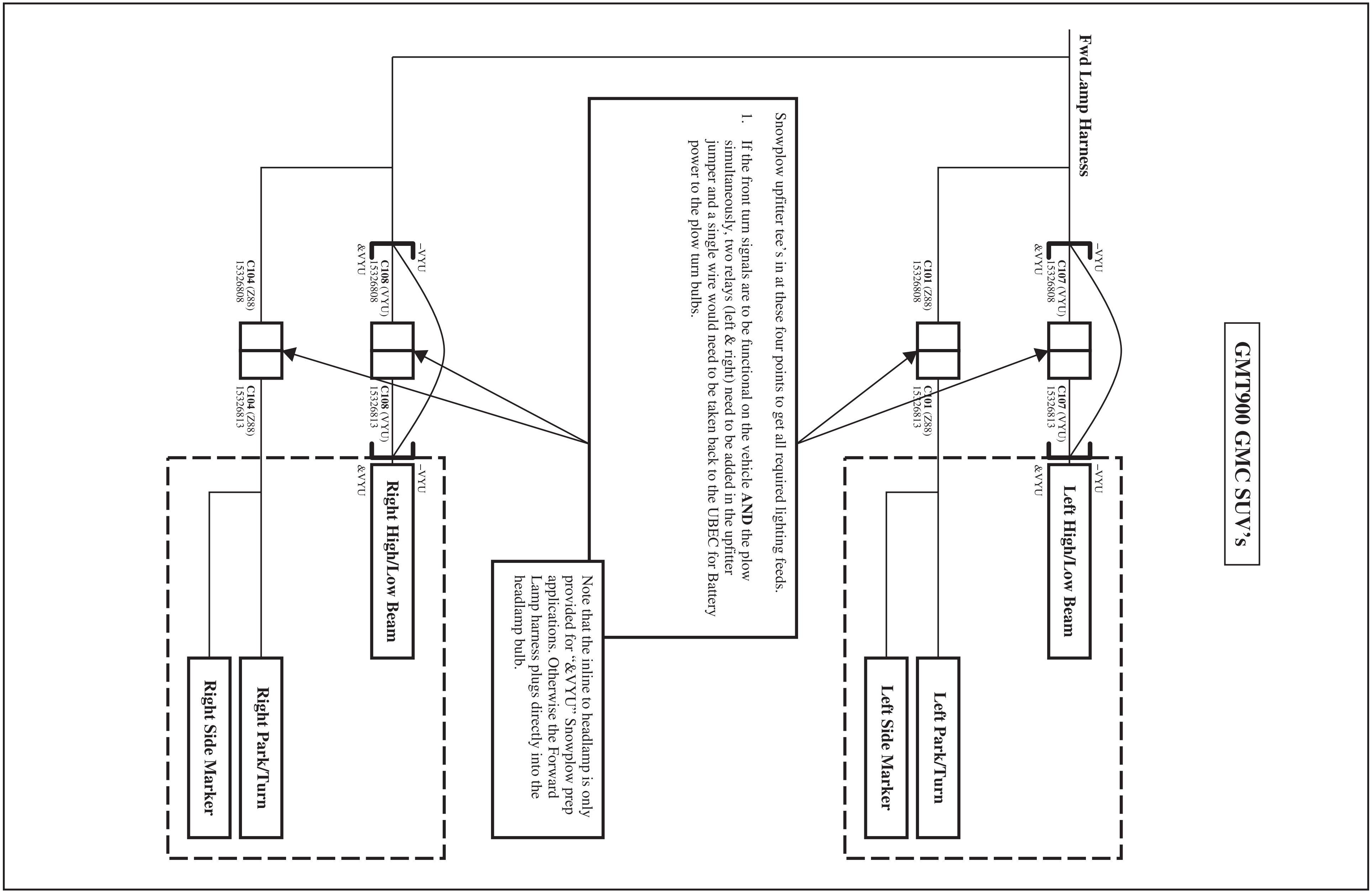
Callout	Component Name
Preliminary Procedure Remove the headlamp. Refer to Headlamp Replacement	
1	Low Beam Bulb
2	High Beam Bulb

Front of Vehicle View – GMC Yukon (Z88)



(1) Park/Turn Signal Lamp – Right Front
(2) Park/Turn Signal Lamp – Left Front
(3) Marker Lamp – Left Front
(4) Headlamp – Left
(5) Fog Lamp – Left Front (T96)
(6) Fog Lamp – Right Front (T96)
(7) Headlamp – Right
(8) Marker Lamp – Right Front

Forward Lighting & Additional Turn Signals – GMC Yukon (Z88)

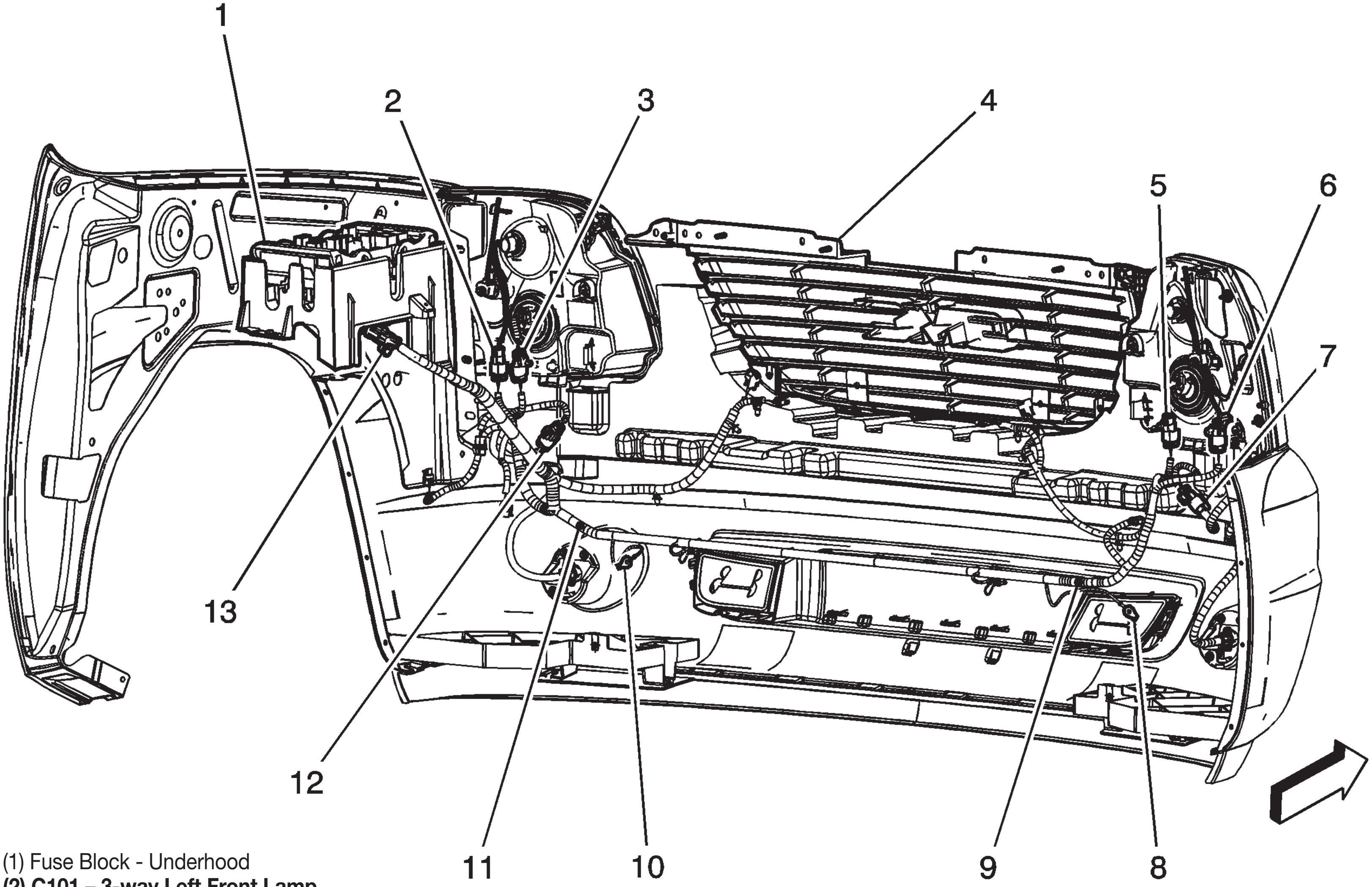

GMT900 GMC SUV’s
Fwd Lamp Harness
C107 (VYU)
15326808
–VYU
&VYU
C107 (VYU)
15326813
–VYU
&VYU
Left High/Low Beam
C101 (Z88)
15326808
C101 (Z88)
15326813
Left Park/Turn
Left Side Marker
C108 (VYU)
15326808
–VYU
&VYU
C108 (VYU)
15326813
–VYU
&VYU
Right High/Low Beam
C104 (Z88)
15326808
C104 (Z88)
15326813
Right Park/Turn
Right Side Marker

Snowplow upfitter tee’s in at these four points to get all required lighting feeds.

1. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.

Note that the inline to headlamp is only provided for “&VYU” Snowplow prep applications. Otherwise the Forward Lamp harness plugs directly into the headlamp bulb.

Front Fascia Harnesses GMC Yukon (Z88)



(1) Fuse Block - Underhood
(2) C101 – 3-way Left Front Lamp
(3) C107 (VYU) – 3-way Left Head Lamp
(4) Grill
(5) C108 (VYU) – 3-way Left Head Lamp
(6) C104 – 3-way Right Front Lamp
(7) C105 (T96)

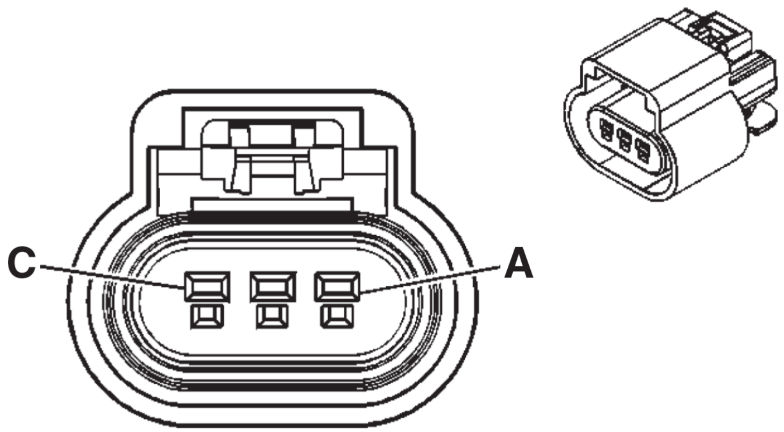
(8) G101
(9) S101
(10) G100

(11) S100
(12) C102 (T96)
(13) C103

X104 Forward Lamp Harness to Right Front Lamp Harness (Z88)

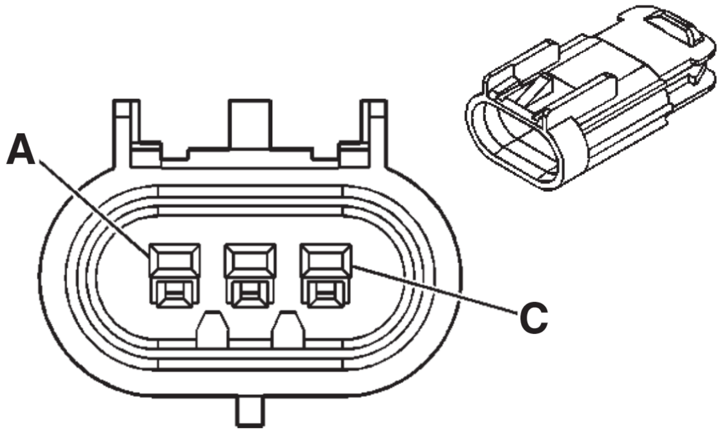
Connector:	3-Way F GT 150 Series, Sealed (BK)
O.E.M.:	15326808
Color:	**BLK**
Service:	See Catalog
Terminal/Tray:	12191819/8
Core/Insulation Crimp:	Pins: A-B: 2/A
Core/Insulation Crimp:	Pins: C: E/A
Release Tool/Test Probe:	15315247/J-35616-2A (GY)

Pin	Wire Color	Circuit No.	Function
A	BK	250	Ground
B	D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage
C	BN	2609	Right Rear Park Lamps Supply Voltage



Connector:	3-Way M GT 150 Series, Sealed (BK)
O.E.M.:	15326813
Color:	**BLK**
Service:	15306377
Terminal:	TBD
Core/Insulation Crimp:	TBD
Core/Insulation Crimp:	TBD
Release Tool/Test Probe:	TBD

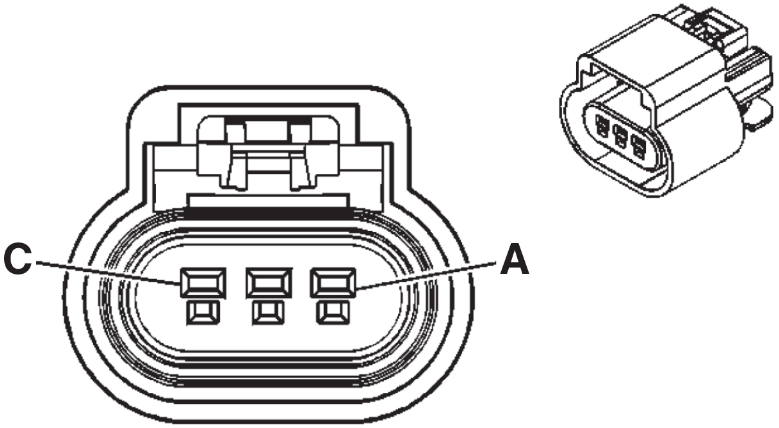
Pin	Wire Color	Circuit No.	Function
A	BK	– –	Ground
B	D-BU/WH	– –	Right Front Turn Signal Lamp Supply Voltage
C	BN	– –	Right Rear Park Lamps Supply Voltage



X107 Forward Lamp Harness to Forward Lamp Harness (VYU)

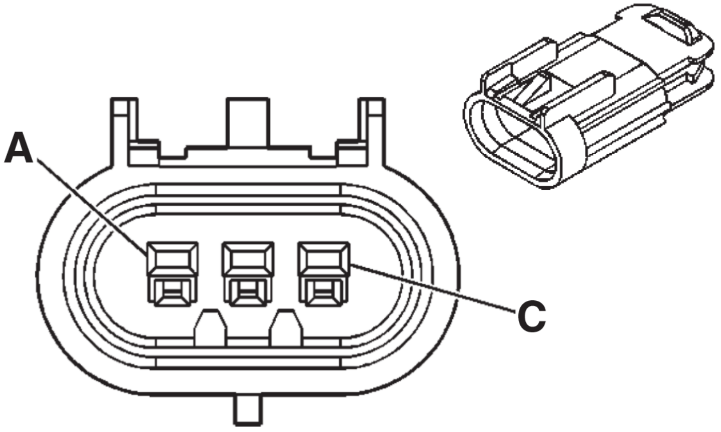
Connector:	3-Way F GT 150 Series, Sealed (BK)
O.E.M.:	15326808
Color:	**BLK**
Service:	See Catalog

Pin	Wire Color	Circuit No.	Function
A	YE	712	Left Headlamp Low Beam Supply Voltage
B	BK	250	Ground
C	D-GN/WH	711	Left Headlamp High Beam Supply Voltage



Connector:	3-Way M GT 150 Series, Sealed (BK)
O.E.M.:	15326813
Color:	**BLK**
Service:	15306377

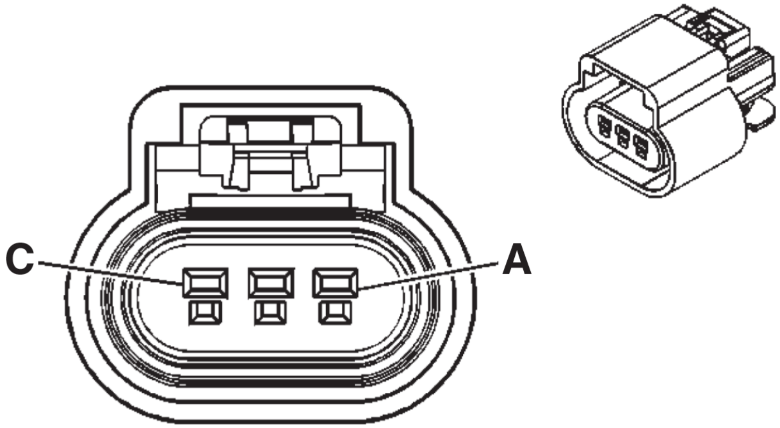
Pin	Wire Color	Circuit No.	Function
A	YE	712	Left Headlamp Low Beam Supply Voltage
B	BK	150	Ground
C	D-GN/WH	711	Left Headlamp High Beam Supply Voltage



X108 Forward Lamp Harness to Forward Lamp Harness (VYU)

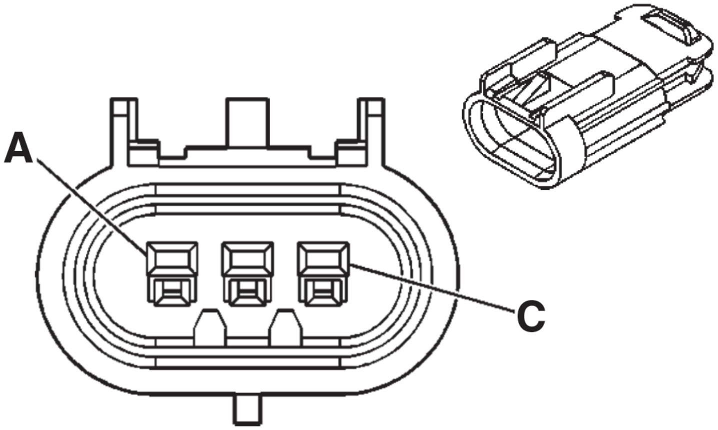
Connector: 3-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326808
Color: **BLK**
Service: See Catalog

Pin	Wire Color	Circuit No.	Function
A	TN/WH	312	Right Headlamp Low Beam Supply Voltage
B	BK	150	Ground
C	L-GN/BK	311	Right Headlamp High Beam Supply Voltage

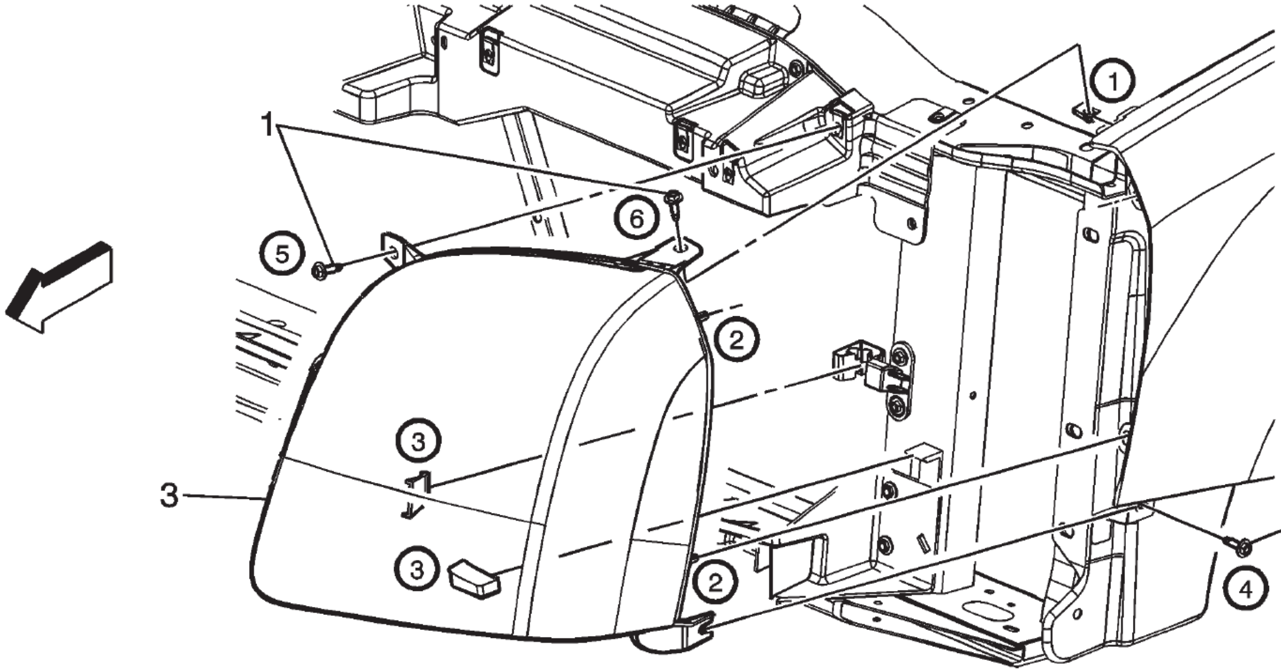


Connector: 3-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326813
Color: **BLK**
Service: 15306377

Pin	Wire Color	Circuit No.	Function
A	TN/WH	312	Right Headlamp Low Beam Supply Voltage
B	BK	250	Ground
C	L-GN/BK	311	Right Headlamp High Beam Supply Voltage



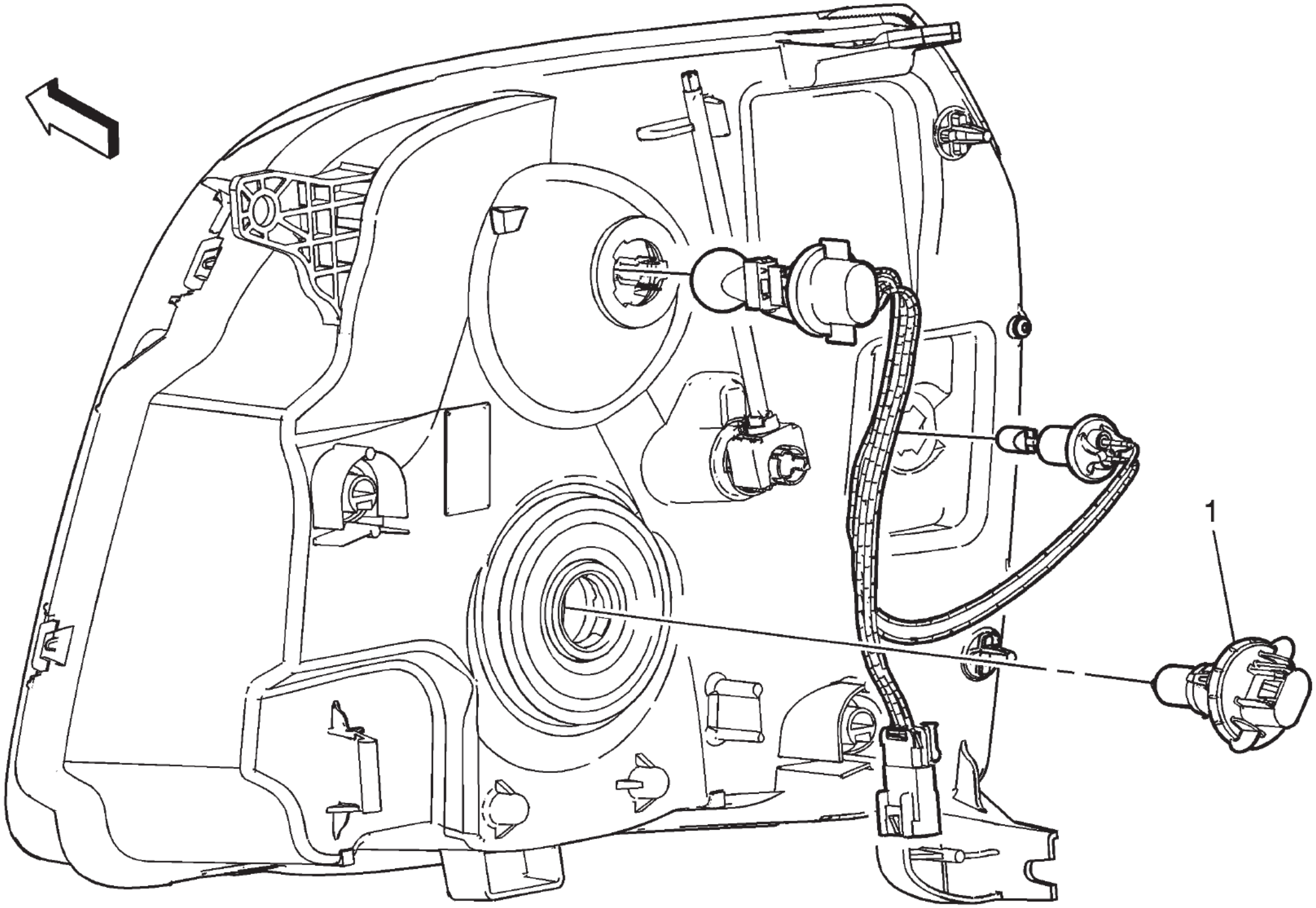
Headlamp Replacement – GMC Yukon SUV (Z88)



Callout	Component Name
Preliminary Procedures	
1	Remove the 2 forward wheelhouse liner screws.
2	Remove the 2 washer container push pins.
3	Open the hood.
4	Remove the 6 upper fascia bolts right to the hood latch mechanism.
5	Remove the lower rear fascia bolt from the support bracket.
6	Loosen the 2 fascia to fender bolts from under the fascia.
7	Pull the outboard end of the front fascia straight outboard until it disengages from the fender attachment bracket.

Callout	Component Name
Preliminary Procedures	
8	Pull the fascia forward and downward to allow enough clearance to remove the headlamp assembly.
9	Loosen the lower outboard attachment bolts.
10	Remove the 2 upper headlamp bolts.
11	Grasp the headlamp at the upper inboard and lower outboard side and pull the headlamp forward to disengage the locating tab.
12	Pull the outboard side of the headlamp forward until the 2 locating pins disengage from the radiator support.
13	Disconnect the forward lamp harness connector.

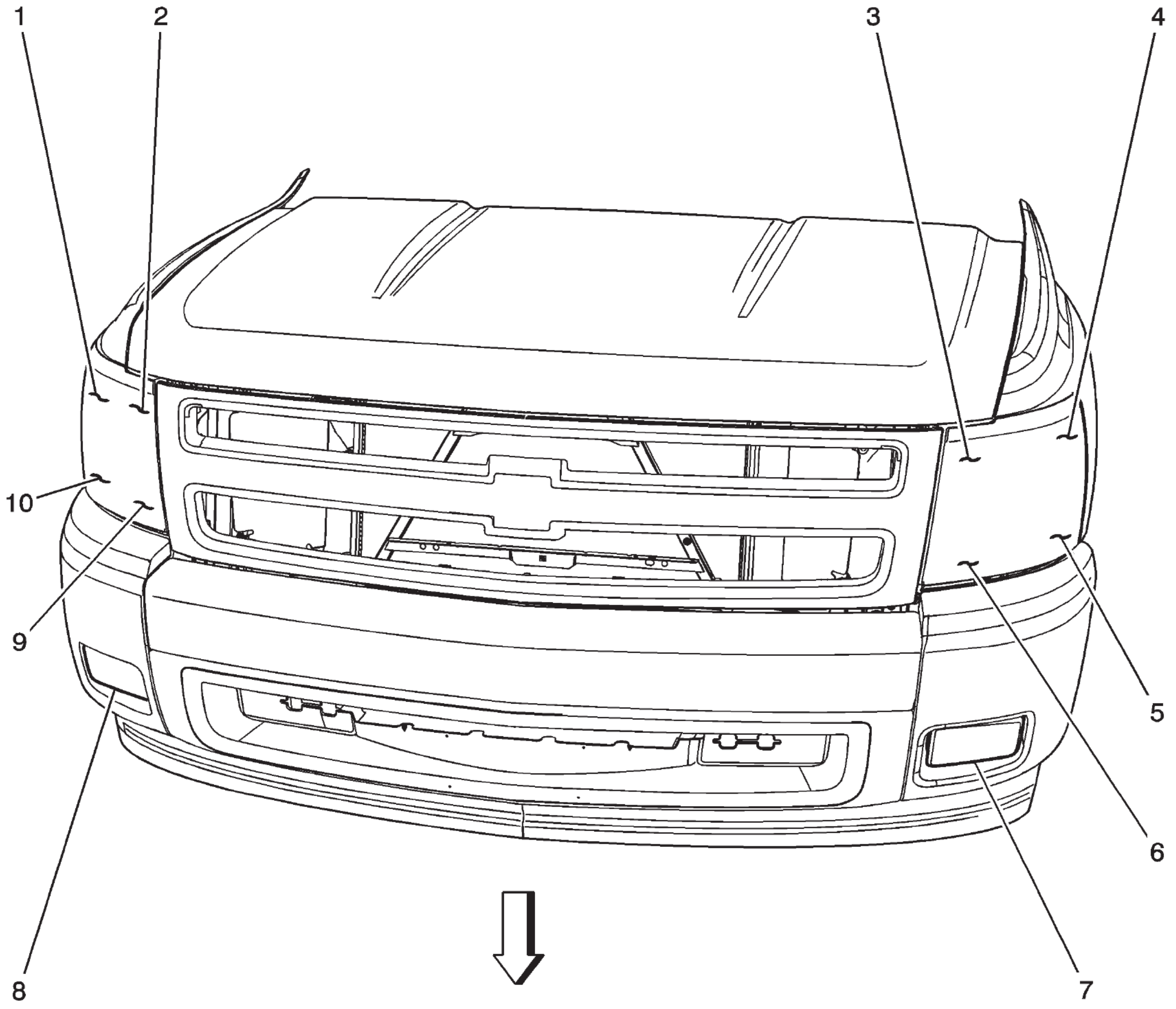
Headlamp Bulb Replacement – GMC Yukon SUV (Z88)



Callout	Component Name
Preliminary Procedure Remove the headlamp. Refer to Headlamp Replacement	
1	High Low Beam Bulb

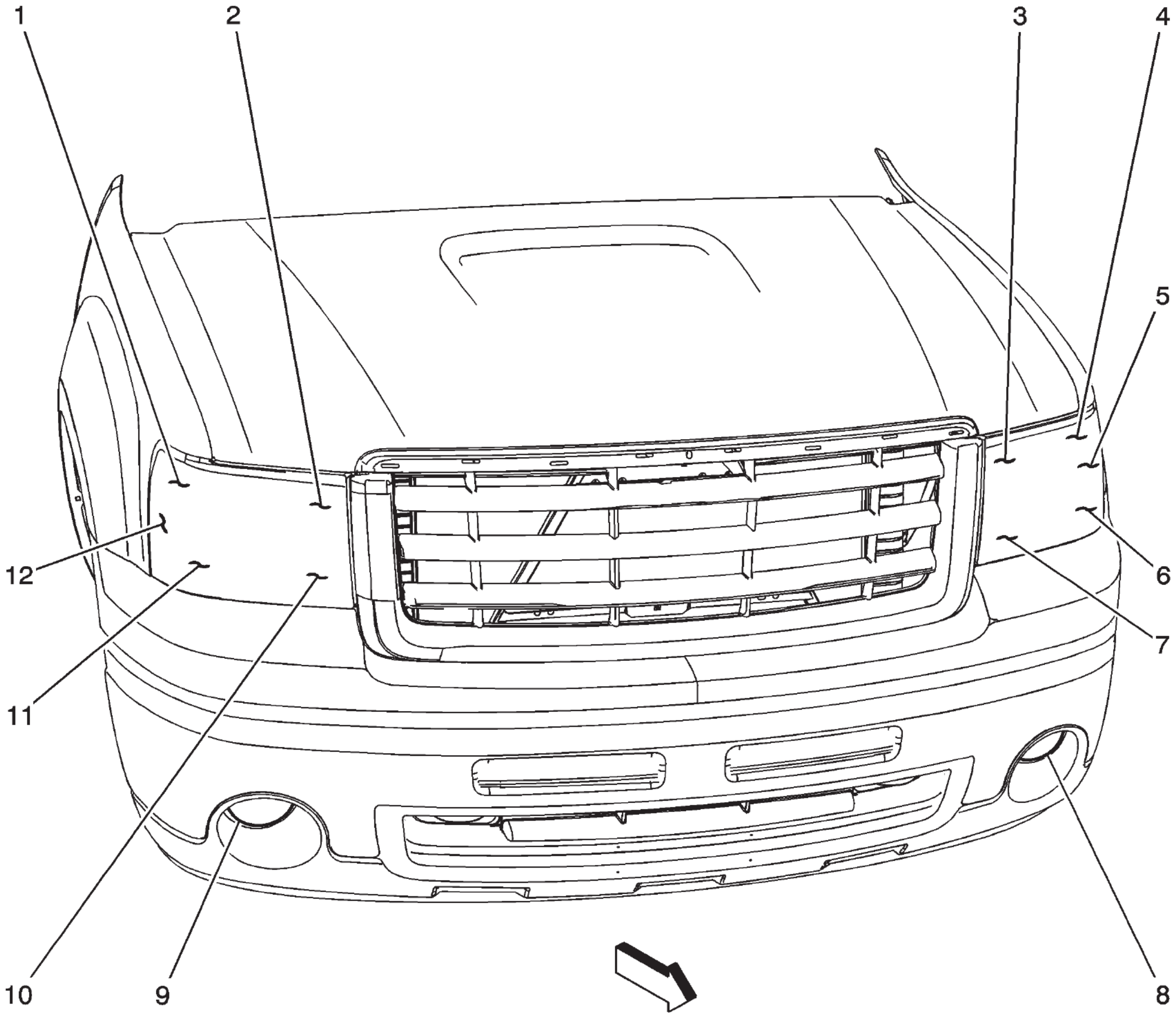
Front Lights – Chevrolet Silverado Pickup (X88)

(1) Park/Turn Signal Lamp – Right Front Upper
(2) Headlamp – Low Beam – Right
(3) Headlamp – Low Beam – Left
(4) Park/Turn Signal Lamp – Left Front Upper
(5) Park/Turn Signal Lamp – Right Front Lower
(6) Headlamp – High Beam – Left
(7) Fog Lamp – Left Front (T96)
(8) Fog Lamp – Right Front (T96)
(9) Headlamp – High Beam – Right
(10) Park/Turn Signal Lamp – Right Front Lower

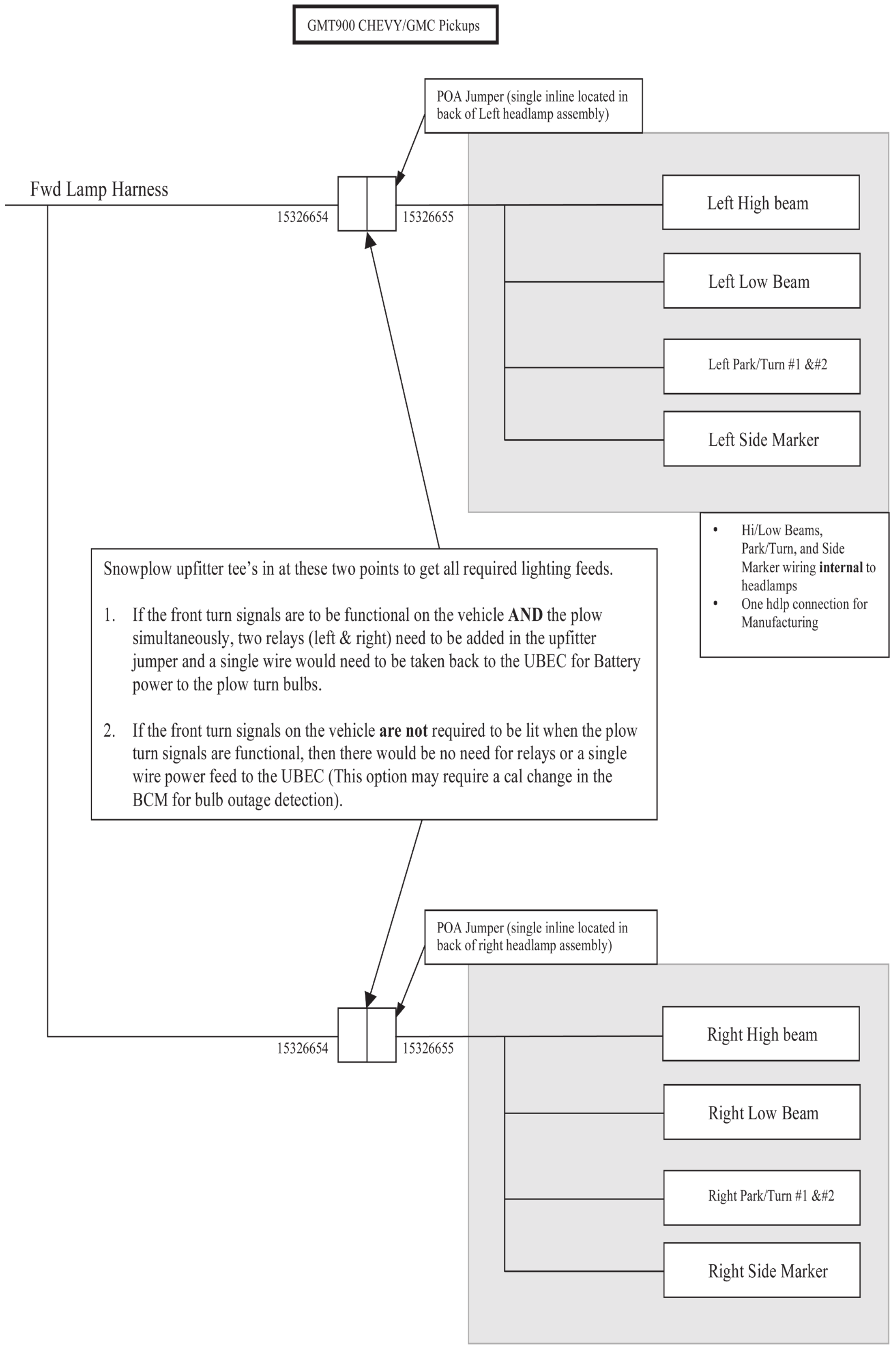


Front Lights – GMC Sierra Pickup (Z88)

(1) Headlamp – Low Beam – Right
(2) Park/Turn Signal Lamp – Right Front Upper
(3) Park/Turn Signal Lamp – Left Front Upper
(4) Headlamp – Low Beam – Left
(5) Marker Lamp – Left Front
(6) Headlamp – High Beam – Left
(7) Park/Turn Signal Lamp – Left Front Lower
(8) Fog Lamp – Left Front (T96)
(9) Fog Lamp – Right Front (T96)
(10) Park/Turn Signal Lamp – Right Front Lower
(11) Headlamp – High Beam – Right
(12) Marker Lamp – Right Front



Forward Lighting & Additional Turn Signals – Chevrolet Silverado/GMC Sierra Pickups


GMT900 CHEVY/GMC Pickups
POA Jumper (single inline located in back of Left headlamp assembly)
Fwd Lamp Harness
15326654
15326655
Left High beam
Left Low Beam
Left Park/Turn #1 &#2
Left Side Marker
POA Jumper (single inline located in back of right headlamp assembly)
15326654
15326655
Right High beam
Right Low Beam
Right Park/Turn #1 &#2
Right Side Marker

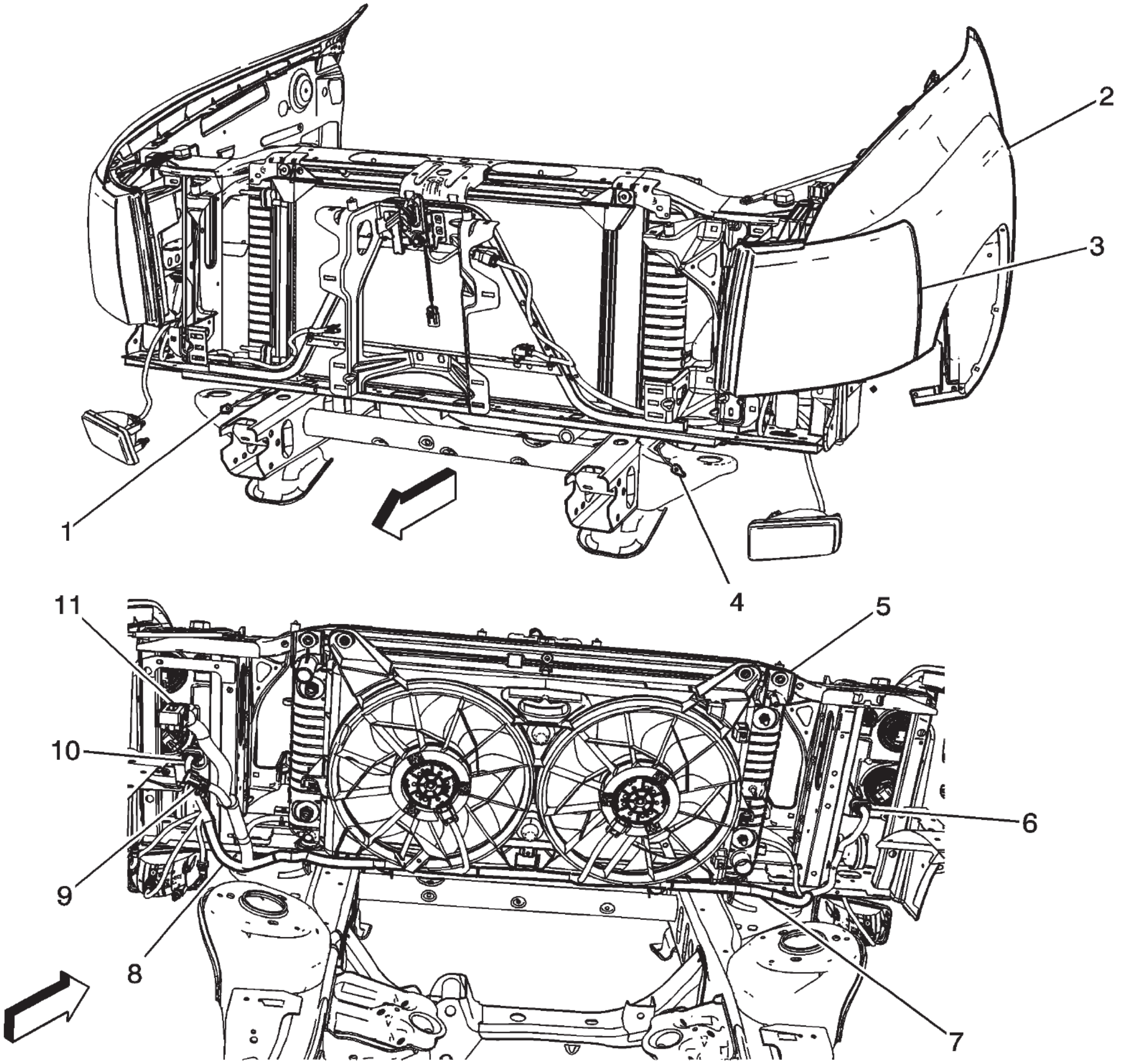
- Hi/Low Beams, Park/Turn, and Side Marker wiring **internal** to headlamps
- One hdlp connection for Manufacturing

Snowplow upfitter tee's in at these two points to get all required lighting feeds.

1. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.
2. If the front turn signals on the vehicle **are not** required to be lit when the plow turn signals are functional, then there would be no need for relays or a single wire power feed to the UBEC (This option may require a cal change in the BCM for bulb outage detection).

Forward Lamp Harness – Diesel – Chevrolet Silverado/GMC Sierra Pickups

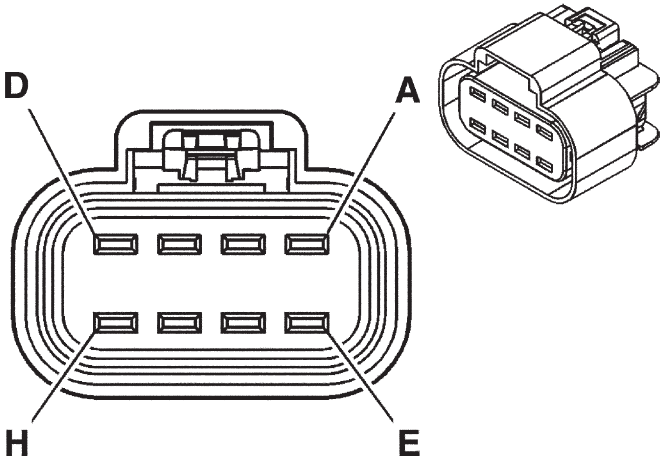
(1) G101
(2) Left Front Fender
(3) Left Front Headlamp
(4) G100
(5) Radiator
(6) X-106
(7) J101
(8) J100
(9) X103
(10) X100
(11) Fuse Block – Underhood X1



X100 Forward Lamp Harness to Left Headlamp Harness

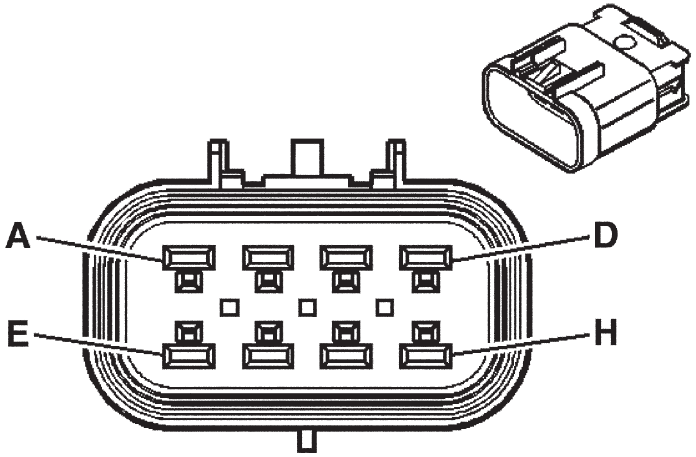
Connector:	8-Way F GT 280 Series, Sealed (BK)
O.E.M.:	15326654
Color:	**BLK**
Service:	88986254

Pin	Wire Color	Circuit No.	Function
A	YE	712	Left Headlamp Low Beam Supply Voltage
B	BK	150	Ground
C	D-GN/WH	711	Left Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	2509	Left Rear Park Lamps Supply Voltage
F	BK	250	Ground
G	L-BU/WH	1314	Left Front Turn Signal Lamp Supply Voltage (X88)
H	– –	– –	Not Used



Connector:	8-Way M GT 280 Series, Sealed (BK)
O.E.M.:	15326655
Color:	**BLK**
Service:	15306424

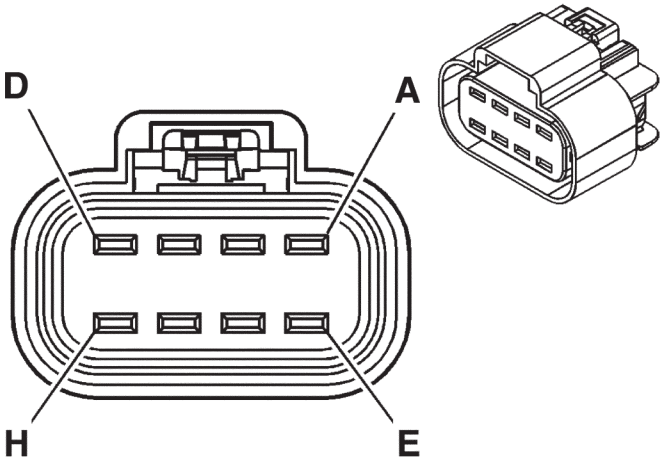
Pin	Wire Color	Circuit No.	Function
A	YE	– –	Left Headlamp Low Beam Supply Voltage
B	BK	– –	Ground
C	D-GN/WH	– –	Left Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	– –	Left Rear Park Lamps Supply Voltage
F	BK	– –	Ground
	BK	– –	Ground
G	L-BU/WH	– –	Left Front Turn Signal Lamp Supply Voltage (X88)
H	– –	– –	Not Used



X106 Forward Lamp Harness to Right Headlamp Harness

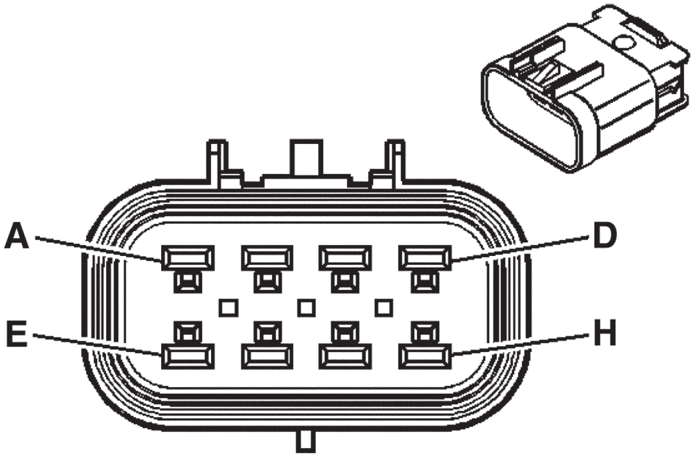
Connector:	8-Way F GT 280 Series, Sealed (BK)
O.E.M.:	15326654
Color:	**BLK**
Service:	88986254

Pin	Wire Color	Circuit No.	Function
A	TN/WH	312	Right Headlamp Low Beam Supply Voltage
B	BK	250	Ground
C	L-GN/BK	311	Right Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	2609	Right Rear Park Lamps Supply Voltage
F	BK	150	Ground
	BK	250	Ground
G	D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage
H	– –	– –	Not Used

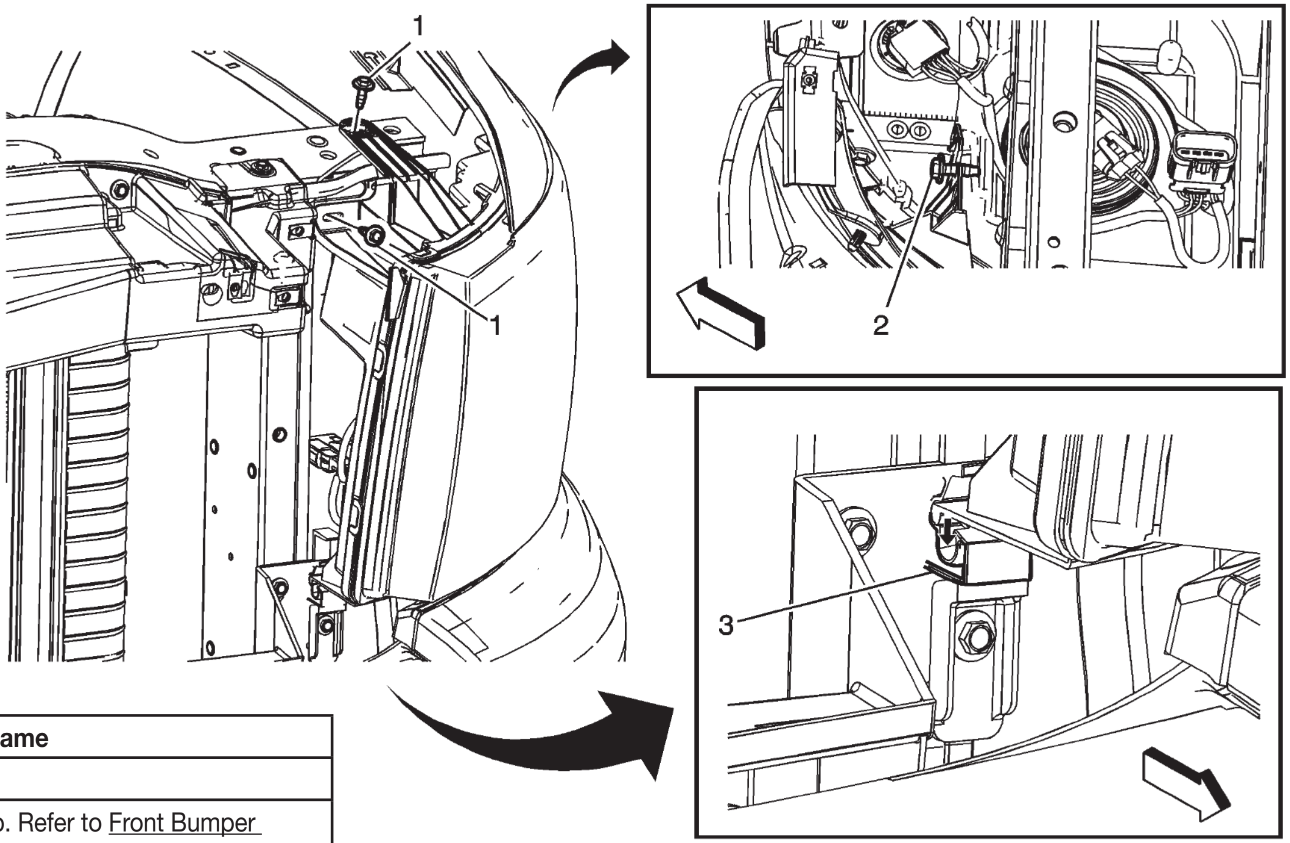


Connector:	8-Way M GT 280 Series, Sealed (BK)
O.E.M.:	15326655
Color:	**BLK**
Service:	15306424

Pin	Wire Color	Circuit No.	Function
A	TN/WH	– –	Right Headlamp Low Beam Supply Voltage
B	BK	– –	Ground
C	L-GN/BK	– –	Right Headlamp High Beam Supply Voltage
D	– –	– –	Not Used
E	BN	– –	Right Rear Park Lamps Supply Voltage
F	BK	– –	Ground
	BK	– –	Ground
G	D-BU/WH	– –	Right Front Turn Signal Lamp Supply Voltage
H	– –	– –	Not Used

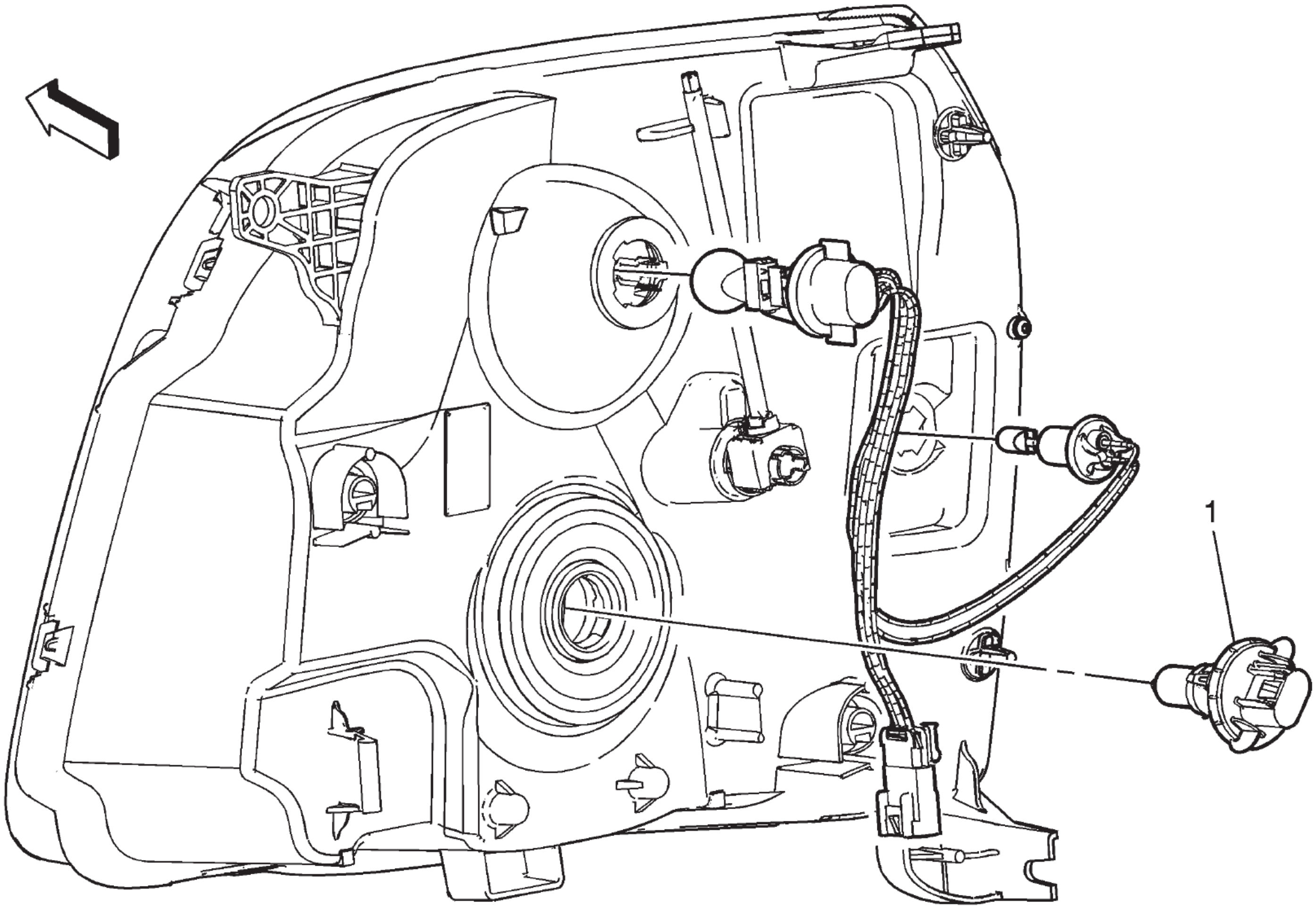


Headlamp Replacement – Chevrolet Silverado/GMC Sierra Pickups



Callout	Component Name
Preliminary Procedures	
1	Remove the front bumper fascia trim cap. Refer to Front Bumper Fascia Trim Cap Replacement.
2	Disengage the front portion of either the LF or RF wheelhouse liner in order to access the lower inside hidden headlamp bolt. Refer to either Front Wheelhouse Liner Replacement – Left Side for the left side or Front Wheelhouse Liner Replacement – Right Side for the right side wheelhouse liner.
3	Loosen only, do not remove, the lower outside hidden headlamp bolt (2).
4	Disconnect the forward lamp harness main electrical connector from the headlamp harness.

Headlamp Bulb Replacement – GMC Yukon (Z88)



Callout	Component Name
Preliminary Procedure Remove the headlamp. Refer to Headlamp Replacement	
1	High Low Beam Bulb

Replacement Bulbs

Replacement Bulbs –
2007 Chevrolet Silverado

Exterior Lamp	Bulb Number
Backup Lamp	3047
Backup Lamp*	1156
Cargo lamp and Center High-Mounted Stoplamp (CHMSL)	912
Daytime Running Lamps	4114K
Fender Marker Lamp	W5WLL
High-Beam Headlamp	**9005**
Low-Beam Headlamp	**H11**
License Plate Lamp	168
Sidemarker Lamp/Stoplamp/Taillamp/Turn Signal Lamp	3047
Stoplamp/Turn Signal Lamp/Taillamp*	1157
*Chassis Cab Models	

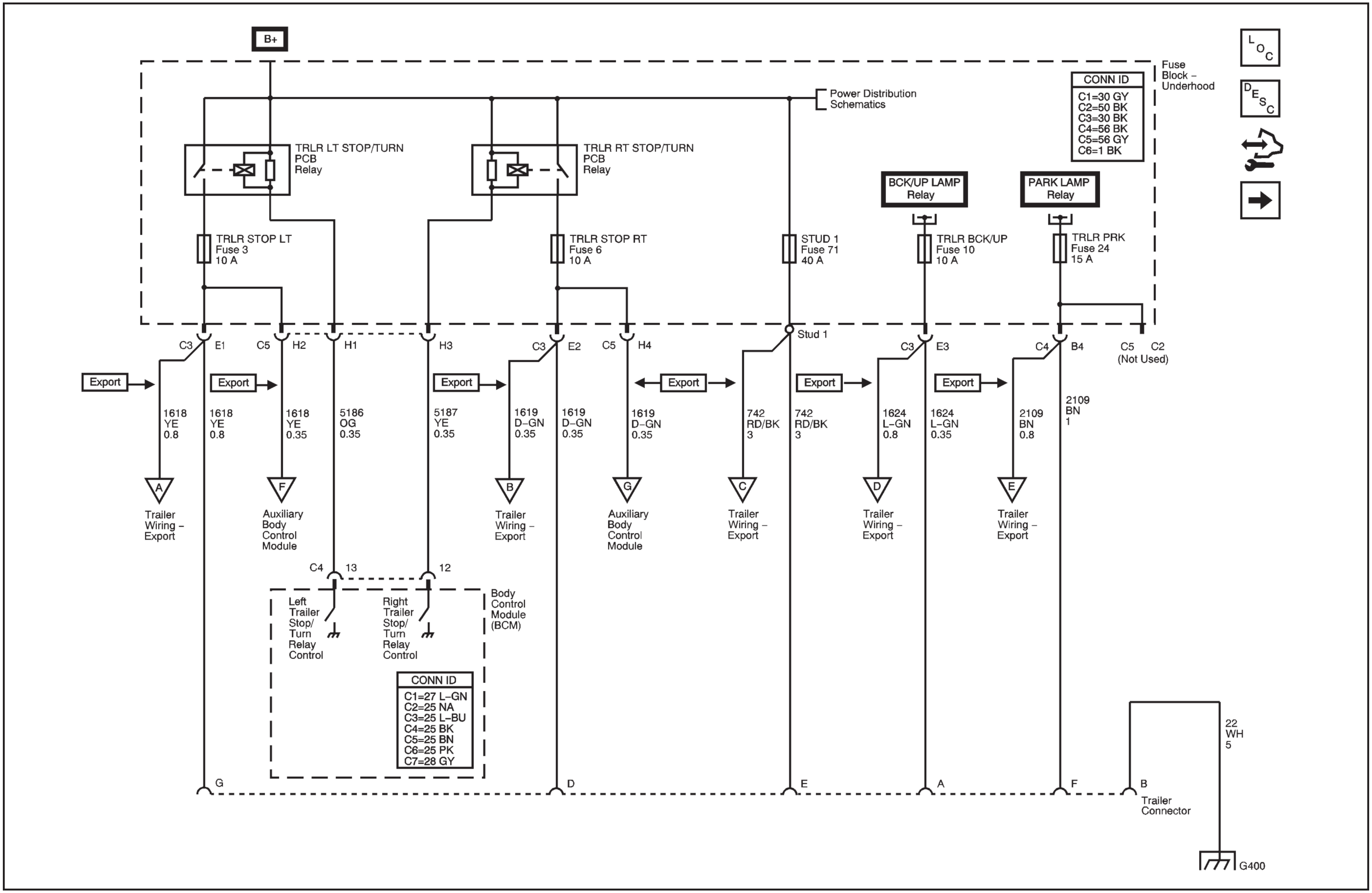
Replacement Bulbs –
2007 Chevrolet Tahoe

Exterior Lamp	Bulb Number
Backup Lamp	3047
Center High-Mounted Stoplamp (CHMSL), Cargo Lamp	912
Front Turn Signal Lamp, Sidemarker Lamp and Parking Lamp	3157A
High-Beam Headlamp	**9005**
Low-Beam Headlamp	**H11**
License Plate Lamp	168
Rear Turn Signal Lamp, Taillamp, and Stoplamp	3047
Sidemarker Lamp	194

Replacement Bulbs –
2007 GMC Yukon

Exterior Lamp	Bulb Number
Backup Lamp	7441
High-Beam Headlamp	**H13**
Low-Beam Headlamp	**H13**
License Plate Lamp	168
Rear Turn Signal Lamp, Taillamp, and Stoplamp	3057KX

Trailer Lighting Schematic


B+
Fuse Block – Underhood
Power Distribution Schematics
CONN ID
C1=30 GY
C2=50 BK
C3=30 BK
C4=56 BK
C5=56 GY
C6=1 BK
TRLR LT STOP/TURN PCB Relay
TRLR RT STOP/TURN PCB Relay
BCK/UP LAMP Relay
PARK LAMP Relay
TRLR STOP LT Fuse 3 10 A
TRLR STOP RT Fuse 6 10 A
STUD 1 Fuse 71 40 A
TRLR BCK/UP Fuse 10 10 A
TRLR PRK Fuse 24 15 A
C3 E1
C5 H2
H1
H3
C3 E2
C5 H4
Stud 1
C3 E3
C4 B4
C5 C2 (Not Used)
Export
1618 YE 0.8
1618 YE 0.8
1618 YE 0.35
5186 OG 0.35
5187 YE 0.35
1619 D-GN 0.35
1619 D-GN 0.35
1619 D-GN 0.35
742 RD/BK 3
742 RD/BK 3
1624 L-GN 0.8
1624 L-GN 0.35
2109 BN 0.8
2109 BN 1
A Trailer Wiring – Export
F Auxiliary Body Control Module
B Trailer Wiring – Export
G Auxiliary Body Control Module
C Trailer Wiring – Export
D Trailer Wiring – Export
E Trailer Wiring – Export
C4 13
12
Left Trailer Stop/ Turn Relay Control
Right Trailer Stop/ Turn Relay Control
Body Control Module (BCM)
CONN ID
C1=27 L-GN
C2=25 NA
C3=25 L-BU
C4=25 BK
C5=25 BN
C6=25 PK
C7=28 GY
G
D
E
A
F
B
Trailer Connector
22 WH 5
G400
LOC
DESC

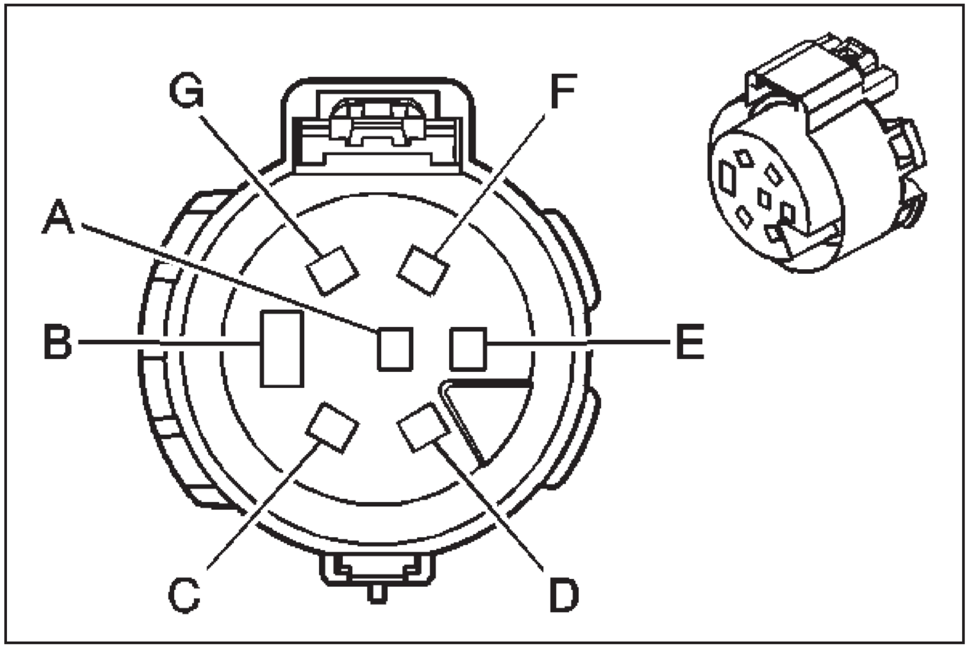
Trailer Connector

Connector Part Information
OEM: 15354653
Service: 15306164
Description: 7-Way F Metri-Pack 280 630 Series Sealed

Pins: B
  Terminal/Tray: 12052456/3
  Core/Insulation Crimp: TBD
  Release Tool/Test Probe: TBD

Pins: A, D, F, G
  Terminal/Tray: 12110847/4
  Core/Insulation Crimp: C/5
  Release Tool/Test Probe: 15315247/J-35616-4A (PU)

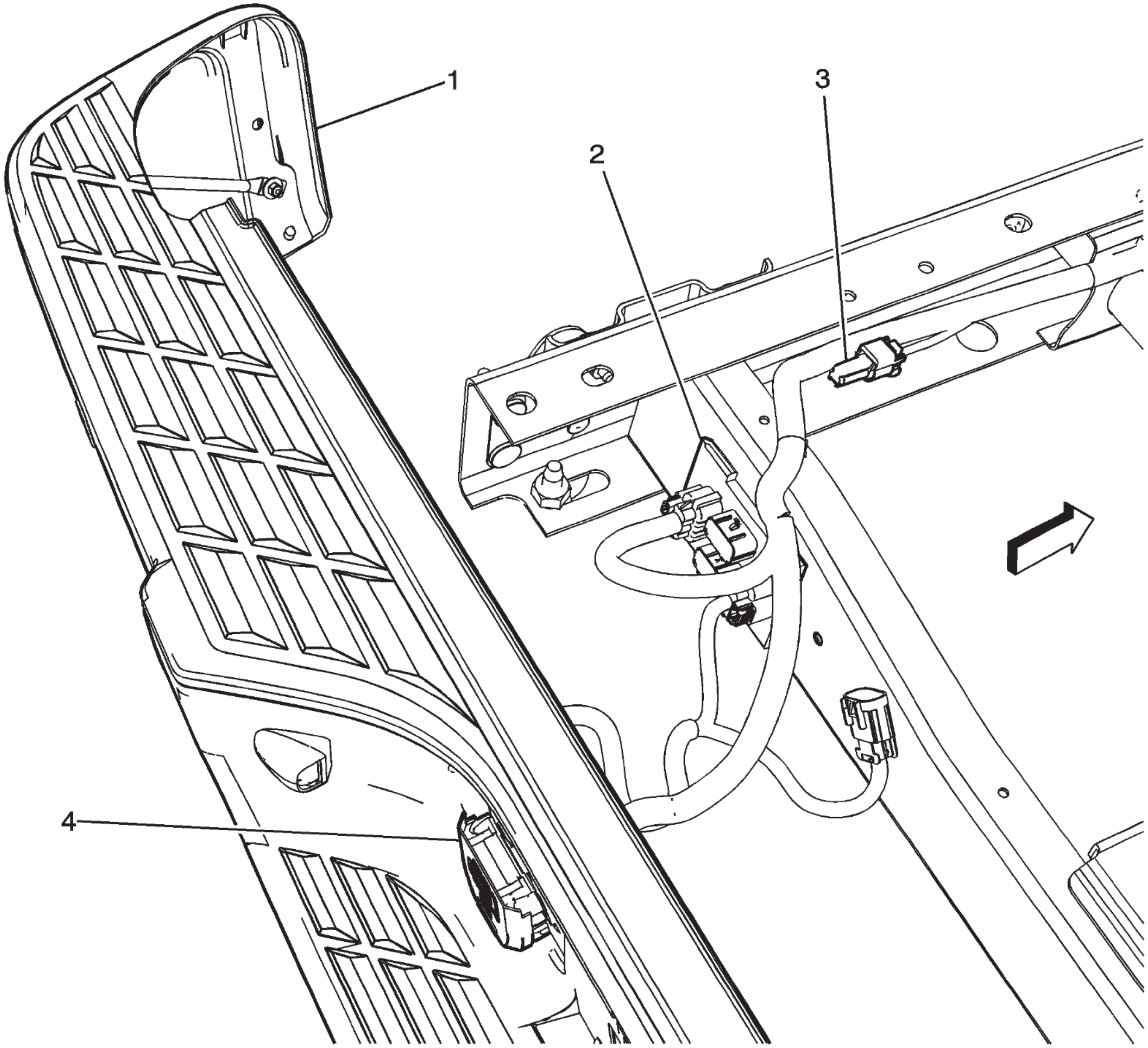
Pins: C, E
  Terminal/Tray: 12110845/4
  Core/Insulation Crimp: F/5
  Release Tool/Test Probe: 15315247/J-35616-4A (PU)



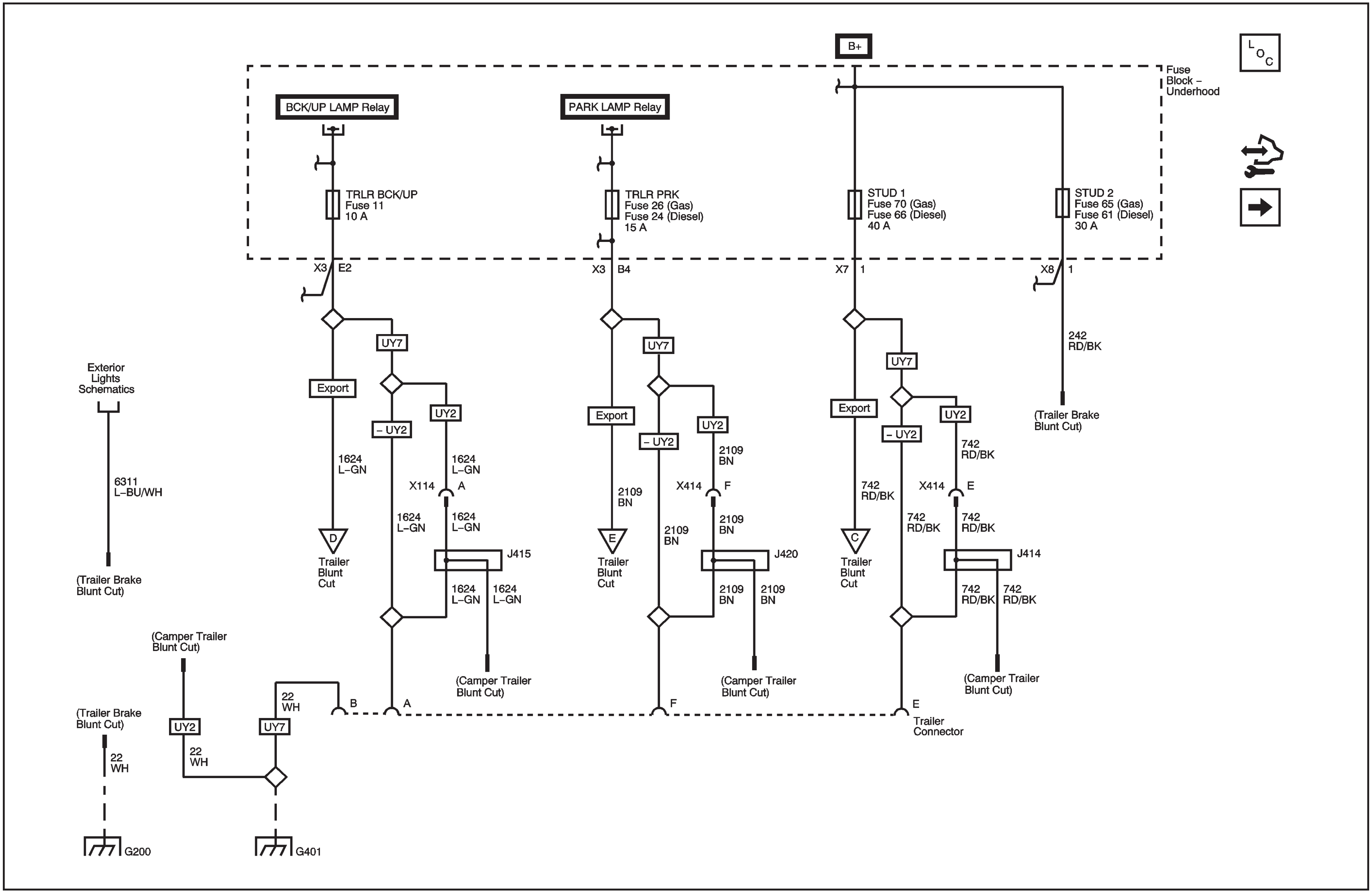
Trailer Connector			
Pin	**Wire Color**	**Circuit No.**	**Function**
A	L-GN	1624	Trailer Backup Lamp Supply Voltage
B	WH	22	Ground
C	D-BU	47	Trailer Auxiliary Supply Voltage
D	D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage
E	RD/BK	742	Battery Positive Voltage
F	BN	2109	Trailer Park Lamp Supply Voltage
G	YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage

Wiring Location

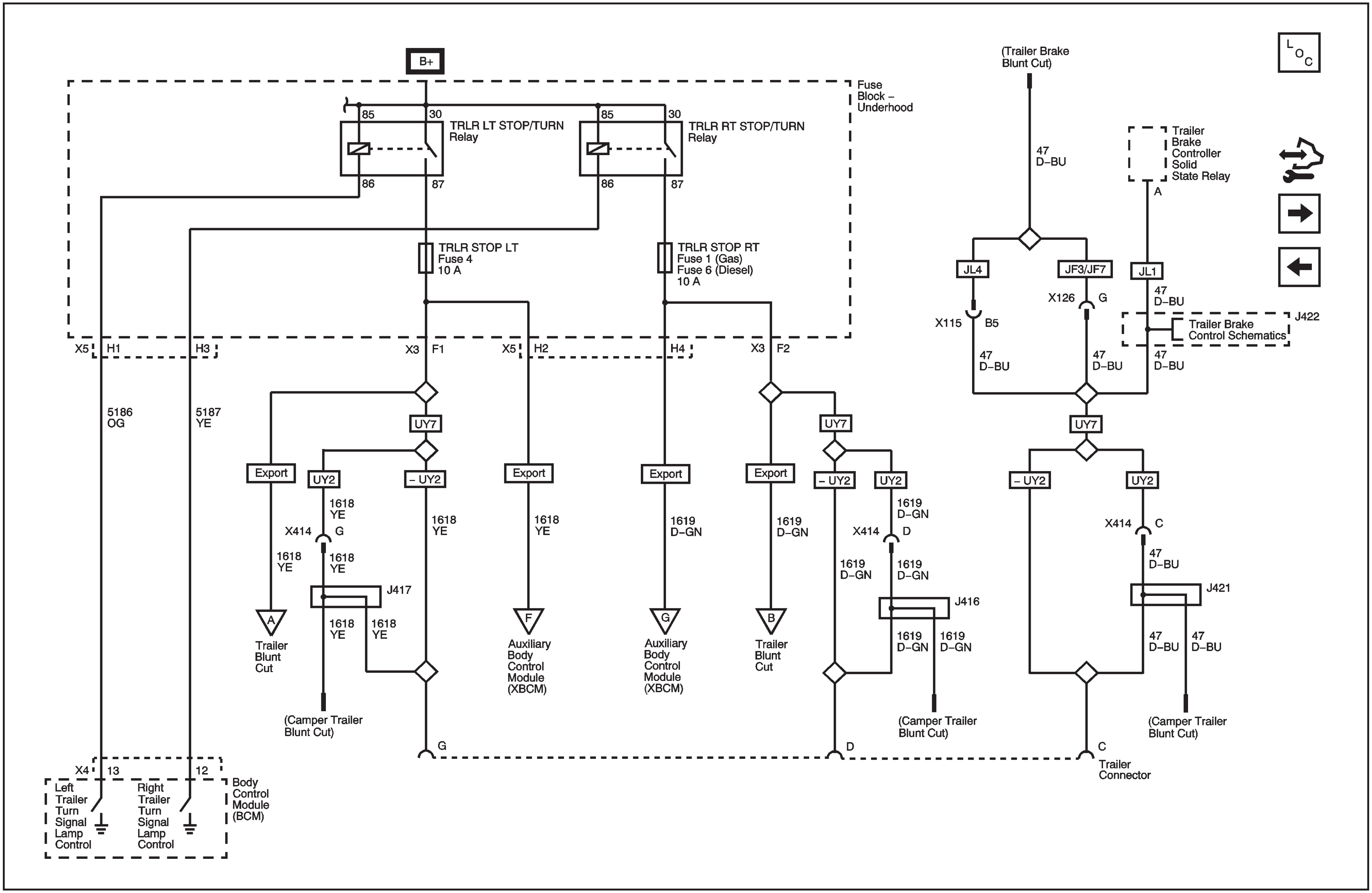
(1) Rear Bumper
(2) Junction Block – Rear Lamps
(3) Terminator Resistor
(4) Trailer Connector (UY7)



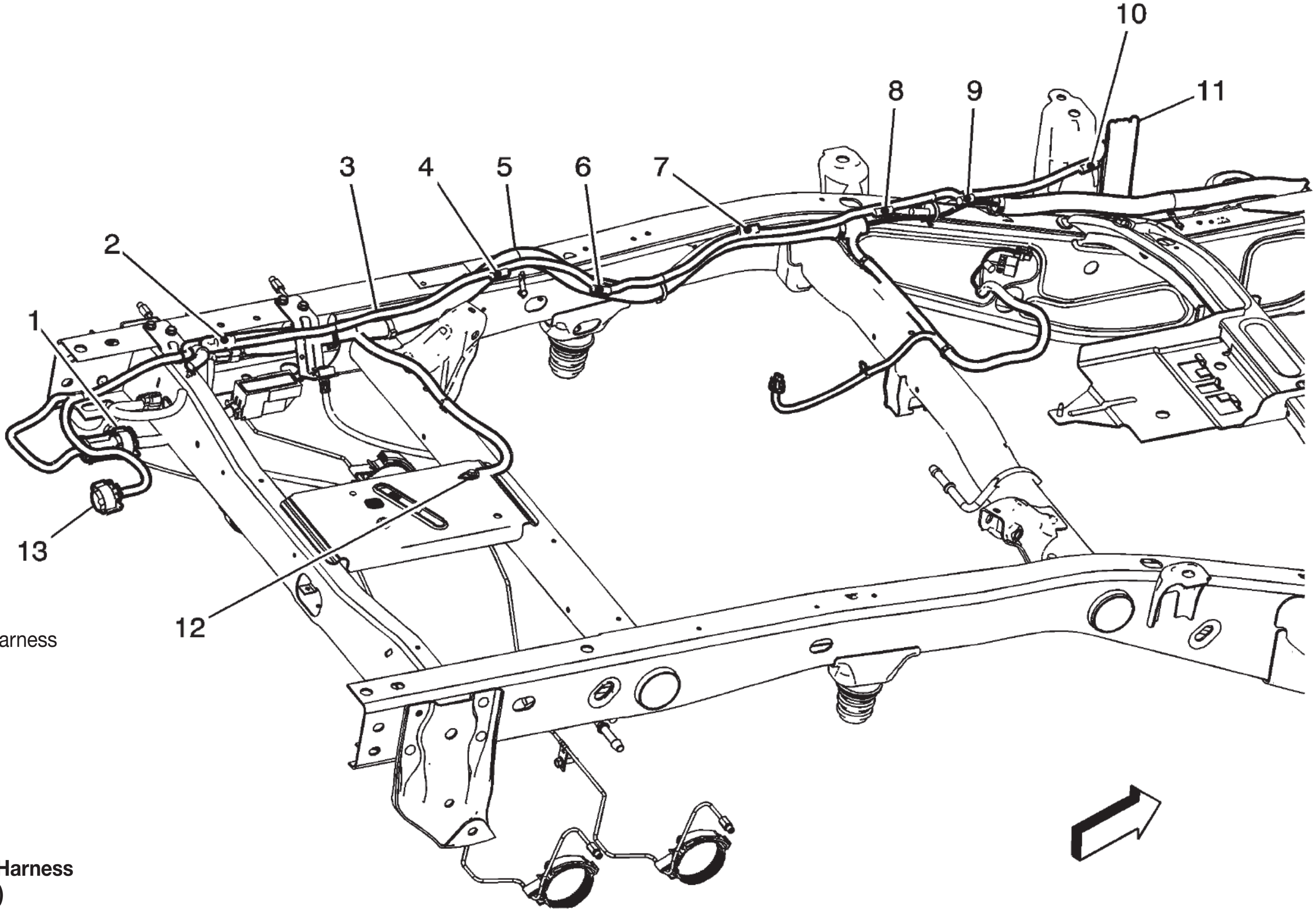
Trailer/Camper Connector Wiring (1 of 2)


B+
Fuse Block – Underhood
BCK/UP LAMP Relay
PARK LAMP Relay
TRLR BCK/UP Fuse 11 10 A
TRLR PRK Fuse 26 (Gas) Fuse 24 (Diesel) 15 A
STUD 1 Fuse 70 (Gas) Fuse 66 (Diesel) 40 A
STUD 2 Fuse 65 (Gas) Fuse 61 (Diesel) 30 A
X3 E2
X3 B4
X7 1
X8 1
242 RD/BK
(Trailer Brake Blunt Cut)
UY7
Export
UY2
– UY2
1624 L–GN
X114 A
J415
D
Trailer Blunt Cut
(Camper Trailer Blunt Cut)
2109 BN
X414 F
J420
E
742 RD/BK
X414 E
J414
C
Exterior Lights Schematics
6311 L–BU/WH
22 WH
B
A
F
E
Trailer Connector
G200
G401
L O C

Trailer/Camper Connector Wiring (2 of 2)


B+
Fuse Block – Underhood
85
30
TRLR LT STOP/TURN Relay
86
87
85
30
TRLR RT STOP/TURN Relay
86
87
TRLR STOP LT Fuse 4 10 A
TRLR STOP RT Fuse 1 (Gas) Fuse 6 (Diesel) 10 A
X5 H1
H3
X3 F1
X5 H2
H4
X3 F2
5186 OG
5187 YE
UY7
Export
UY2
– UY2
Export
Export
Export
UY7
– UY2
UY2
1618 YE
X414 G
1618 YE
1618 YE
1618 YE
1618 YE
J417
1618 YE
1618 YE
1619 D–GN
1619 D–GN
1619 D–GN
X414 D
1619 D–GN
1619 D–GN
J416
1619 D–GN
1619 D–GN
A Trailer Blunt Cut
F Auxiliary Body Control Module (XBCM)
G Auxiliary Body Control Module (XBCM)
B Trailer Blunt Cut
(Camper Trailer Blunt Cut)
(Camper Trailer Blunt Cut)
G
D
C
Trailer Connector
(Trailer Brake Blunt Cut)
47 D–BU
Trailer Brake Controller Solid State Relay
A
JL4
JF3/JF7
JL1
X126 G
X115 B5
47 D–BU
J422
Trailer Brake Control Schematics
47 D–BU
47 D–BU
47 D–BU
UY7
– UY2
UY2
X414 C
47 D–BU
J421
47 D–BU
47 D–BU
(Camper Trailer Blunt Cut)
X4 13
12
Left Trailer Turn Signal Lamp Control
Right Trailer Turn Signal Lamp Control
Body Control Module (BCM)
L O C

Trailer/Camper Wiring Location



(1) X414 (UY2)
(2) J420 (UY2)
(3) Camper/Trailer Harness
(4) J415 (UY2)
(5) Chassis Harness
(6) J416 (UY2)
(7) J417 (UY2)
(8) J414 (UY2)
(9) J421 (UY2)
(10) J410 (UY2)
(11) Camper/Trailer Harness Blunt Cuts (UY2)
(12) G401
(13) Trailer Connector (UY7)

Electric Trailer Brake Controller (ITBC) Wiring and Auxiliary 12-V Feed to Trailer

Applies to the following 2007 Full-Size Utilities and Pickups:

- **2007 Cadillac Escalade, Escalade ESV, Escalade EXT**
- **2007 Chevrolet Avalanche, Silverado, Suburban, Tahoe**
- **2007 GMC Sierra, Yukon, Yukon Denali, Yukon XL, Yukon Denali XL**

The Following Step-by-Step Explanations Describe

Installation of an Electric Trailer Brake Controller and Auxiliary 12-Volt Feed to Trailer

Starting with new 2007 full size utilities and pickups, a separate electric trailer brake controller pigtail harness is no longer provided. The trailer brake controller wiring is now part of the Instrument Panel (IP) wiring harness, and the blunt cut wires are located under the left side of the IP, behind the DataLink connector.

Note: *These instructions do not apply to vehicles with Option JL1 (Integrated Tailer Brake Controls) available on 2007 H.D. trucks; or trucks with Option TP2 (H.D. availability) that already have the 12V battery Trailer Feed used as part of the RPO.*

The explanation on Pages A-4 and A-5 shows how to locate the correct portion of the IP wiring harness and install a typical Trailer Brake Controller in a 2007 Chevrolet Silverado or GMC Sierra Pickup.

The explanation and photos on Page A-7 show how to install an Auxiliary 12V Feed to the Trailer in the same vehicles.

Installing Electric Trailer Brake Controller Wiring

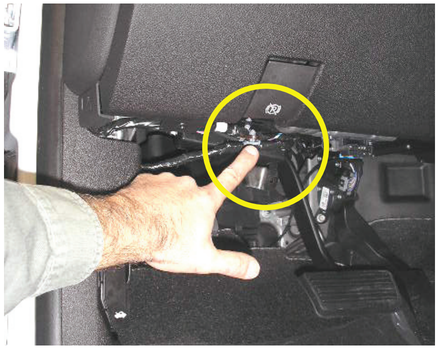


Figure 1

1. Locate the trailer brake control circuits looped and taped to the main harness under the IP (Fig. 1)

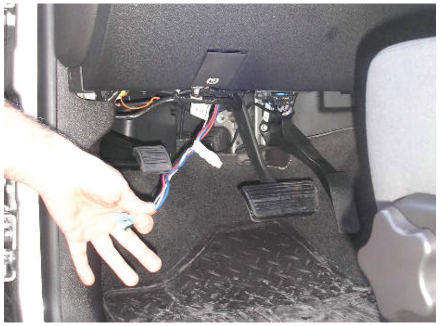


Figure 2

2. Pull the trailering harness wire down (Fig. 2)

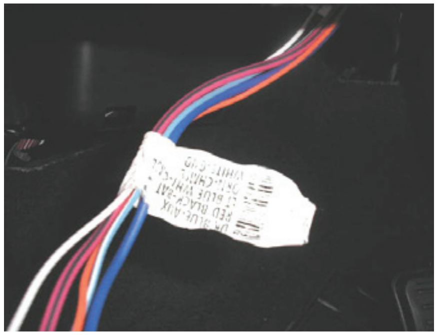


Figure 3

3. Match vehicle harness label circuit functions to the trailer brake controller jumper harness functions (Fig. 3)

NOTE The vehicle owner's manual (page 483) refers to 4 wires, but there are 5 wires looped back in the IP harness. The fifth wire is not required with most systems (see table below).

Match functions: The color of wires that are joined together may not match.

Wire Color	Circuit #	Function
Dark Blue	47	Switched power from controller to trailer brakes
Red with Black Stripe	242	Fused vehicle power to electrical brake controller - 12-volt (30A stud #2)
Light Blue with White Stripe	6311	Brake switch input to power electric brake controller
White	22	Ground
Orange	--	CHMSL (not required with most systems)

(continued on next page)

Installing Electric Trailer Brake Controller Wiring (cont'd)

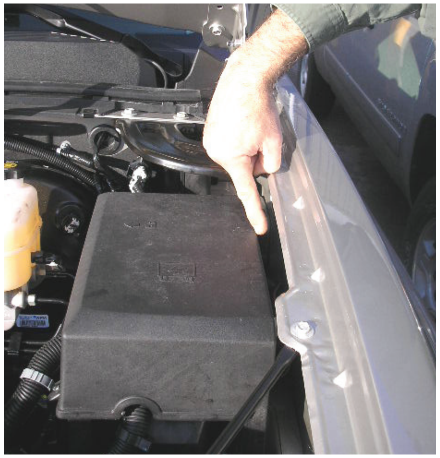


Figure 4

4. After completing the under-IP connections to the electric brake controller, open the hood and locate the red wire taped to the harness between the under-hood electrical center and the driver-side front fender (Fig. 4)

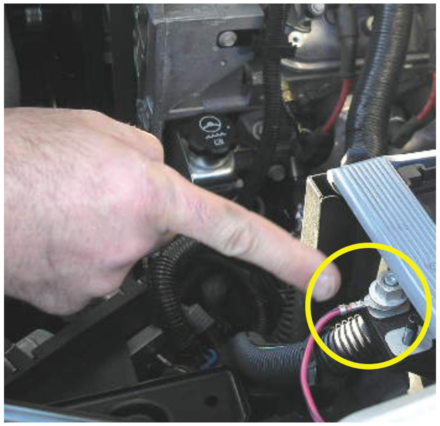


Figure 5

5. Break the tape on the red wire and pull the wire toward the front of the vehicle

6. Remove the cover from the under-hood electrical center

7. Place the terminal on the larger of the two studs at the front of the under-hood electrical center and secure with an M8 nut (Fig. 5)

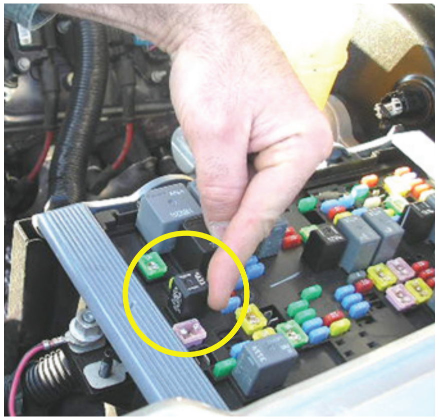


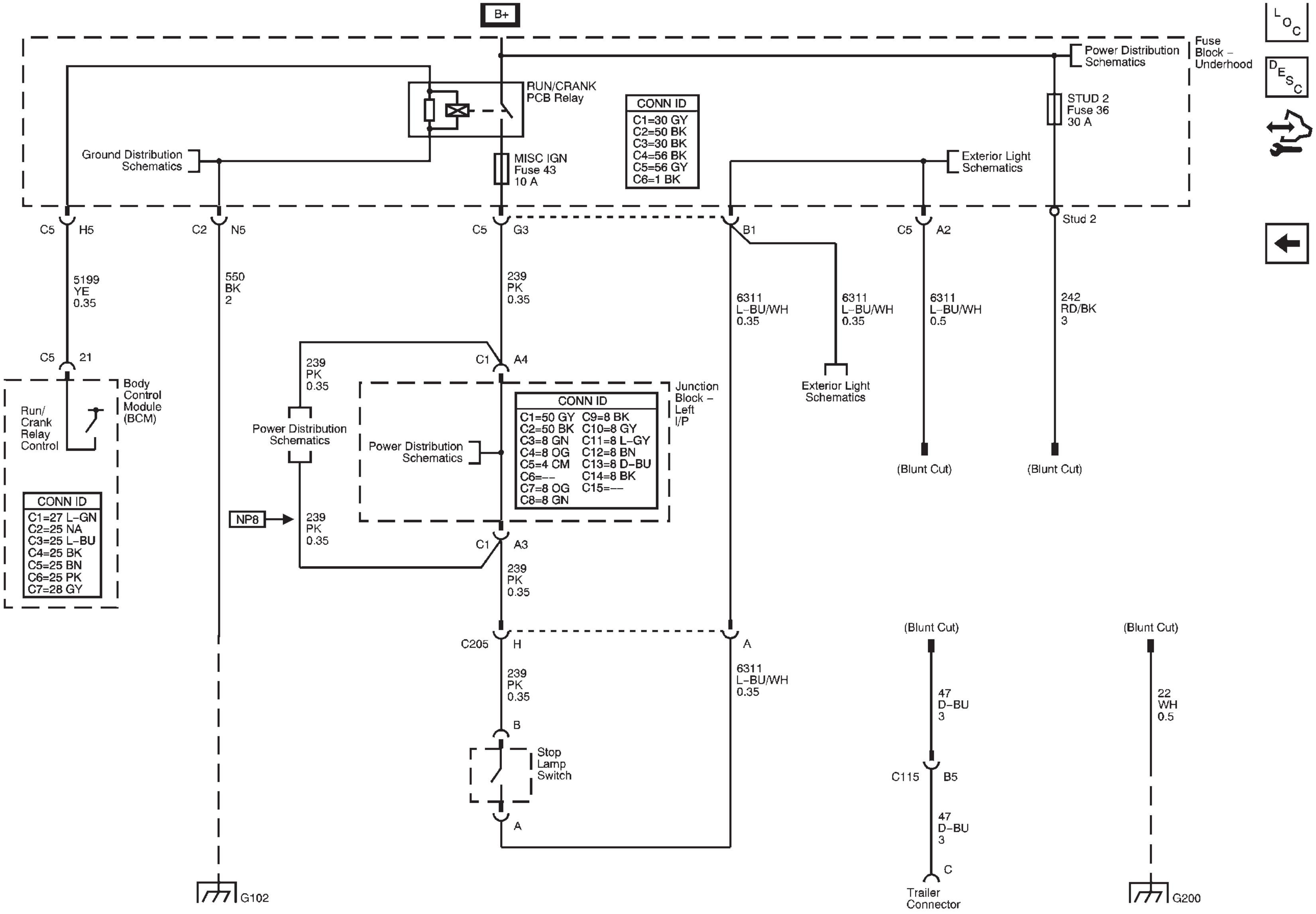
Figure 6

NOTE

The fuse for the trailer brake controller circuit is factory-installed on the under-hood electrical center (Fig. 6)

Electric Trailer Brake Wiring

Electric Trailer Brake Wiring Schematic


B+
Fuse Block – Underhood
Power Distribution Schematics
RUN/CRANK PCB Relay
CONN ID
C1=30 GY
C2=50 BK
C3=30 BK
C4=56 BK
C5=56 GY
C6=1 BK
STUD 2 Fuse 36 30 A
Ground Distribution Schematics
MISC IGN Fuse 43 10 A
Exterior Light Schematics
C5 H5
C2 N5
C5 G3
B1
C5 A2
Stud 2
5199 YE 0.35
550 BK 2
239 PK 0.35
6311 L–BU/WH 0.35
6311 L–BU/WH 0.35
6311 L–BU/WH 0.5
242 RD/BK 3
C5 21
Body Control Module (BCM)
Run/ Crank Relay Control
CONN ID
C1=27 L–GN
C2=25 NA
C3=25 L–BU
C4=25 BK
C5=25 BN
C6=25 PK
C7=28 GY
239 PK 0.35
C1 A4
Power Distribution Schematics
Junction Block – Left I/P
CONN ID
C1=50 GY
C2=50 BK
C3=8 GN
C4=8 OG
C5=4 CM
C6=––
C7=8 OG
C8=8 GN
C9=8 BK
C10=8 GY
C11=8 L–GY
C12=8 BN
C13=8 D–BU
C14=8 BK
C15=––
Exterior Light Schematics
(Blunt Cut)
(Blunt Cut)
NP8
239 PK 0.35
C1 A3
239 PK 0.35
C205 H
A
239 PK 0.35
6311 L–BU/WH 0.35
B
Stop Lamp Switch
A
(Blunt Cut)
(Blunt Cut)
47 D–BU 3
22 WH 0.5
C115 B5
47 D–BU 3
C
Trailer Connector
G102
G200

Installing Auxiliary 12-Volt Feed to Trailer

NOTE This hookup is used to provide power for 12-Volt DC electrical devices in the trailer (example: lights, refrigerator or battery charger).

Devices powered by this circuit will drain the vehicle's battery if left connected while the engine/alternator is not operating.

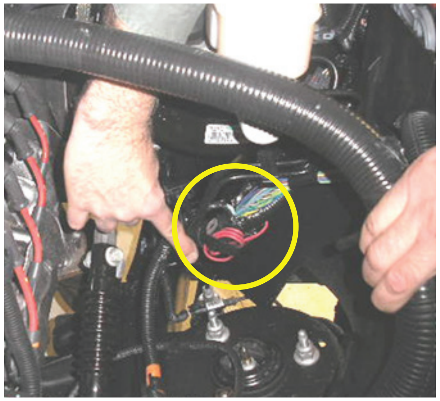


Figure 1

1. Locate the red wire looped and taped to the chassis harness below the brake master cylinder (Fig. 1)
2. Break the tape and route the wire to the front of the vehicle's under-hood electrical center

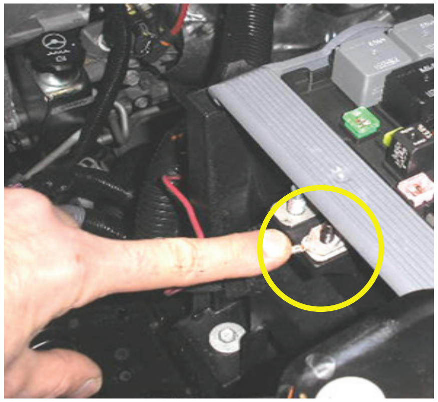


Figure 2

3. Place the terminal on the smaller of the two studs (Fig. 2) in front of the under-hood electrical center and secure with an M6 fastener

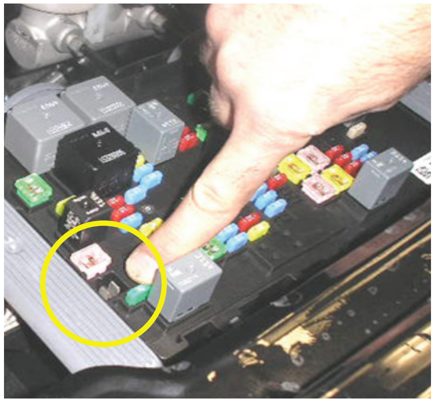


Figure 3

4. Install a 40-amp fuse to power the circuit (Fig. 3)

Integrated Trailer Brake Control (ITBC) Description & Operation – Option JL1

This vehicle may be equipped with a Trailer Brake Control (TBCM) system for electric trailer brakes. The power output to the trailer brakes is based on the amount of brake pressure being applied in the vehicles brake system. The available power output to the trailer brakes can be adjusted to a wide range of trailering situations.

Important: Connecting a trailer that is not compatible with the ITBC system may result in reduced or complete loss of trailer braking. There may be an increase in stopping distance or trailer instability which could result in personal injury or damage to your vehicle, trailer, or other property. An aftermarket controller may be available for use with trailers with surge, air or electric-over-hydraulic trailer brake systems. To determine the type of brakes on your trailer and the availability of controllers, check with your trailer manufacturer or dealer.

Important: If your vehicle is equipped with an ITBC, the blunt cuts exist, but are not connected further in the harness. If you install an aftermarket trailer brake controller, the ITBC must be disconnected. Do not power both ITBC and aftermarket controllers to control the trailer brakes at the same time.

The vehicle is equipped with the following trailer braking components:

- Manual Trailer Brake Apply
- Trailer Gain Adjustment
- Trailer Brake Control Panel
- Trailer Brake DIC Display

Manual Trailer Brake Apply

The Manual Trailer Brake Apply Lever is located on the Trailer Brake Control Panel, and is used to apply the trailer electric brakes independent of your vehicle brakes. This lever is used in the Trailer Gain Adjustment Procedure to properly adjust the power output to the trailer brakes. Sliding the lever to the left will apply only the trailer brakes. The power output to the trailer is indicated in the Trailer Brake Display Page in the DIC. If your vehicle service brakes are applied while using the Manual Trailer Brake Apply Lever, the trailer output power will be the greater of the two.

The trailer and the vehicle brake lamps will come on when either vehicle braking or manual trailer brakes are applied.

Trailer Gain Adjustment

Trailer Gain should be set for a specific trailering condition, and must be adjusted any time vehicle loading, trailer loading or road surface conditions change.

Setting the Trailer Gain properly is needed for the best trailer stopping performance. A trailer that is over-gained may result in locked trailer brakes. A trailer that is under-gained may result in not enough trailer braking. Both of these conditions may result in poorer stopping and stability of the vehicle and trailer.

(continued on next page)

Integrated Trailer Brake Control (ITBC) Description & Operation – Option JL1 (cont'd)

Trailer Gain Adjustment (cont'd)

After the electrical connection is made to a trailer equipped with electric brakes, the **TRAILER CONNECTED** message will be momentarily displayed on the DIC. The Trailer Brake Display Page will appear on the DIC showing **TRAILER GAIN** and **OUTPUT**, after all vehicle related service messages are acknowledged by the driver. The dashed lines in the **TRAILER OUTPUT** display signifies a disconnected trailer or TBCM fault condition, and will disappear only when the TBCM fault condition is not present.

Important: Trailer wheel lock-up may not occur if towing a heavily loaded trailer. In this case, adjust the trailer gain to the highest allowable setting for the towing condition.

- Adjust trailer gain in 0.5 step increments up to 10 gain setting by using the gain adjustment +/- buttons on the trailer brake control panel switch. Pressing and holding a gain button will cause the trailer gain to continuously increment or decrement. To turn the output to the trailer off, set the gain to zero.
- Drive the tow vehicle and trailer combination on a level road surface representative of the towing condition, and free of traffic at approximately 32-40 km/h (20-25 mph) and fully apply the manual trailer brake apply lever mechanism located on the trailer brake control panel switch. Adjusting trailer gain at slower speeds may result in an incorrect gain setting.
- Adjust the trailer gain to just below the threshold of trailer wheel lock-up.

Trailer Brake Control Panel

The TBCM system has a control panel with the trailer gain and manual apply switches, and is located on the instrument panel to the left of the steering column. See Instrument Panel Overview for more information on location. The control panel and switches allows you to adjust the amount of output, referred to as trailer gain, available to the electric trailer brakes and allows you to manually apply the trailer brakes. The Trailer Brake Control Panel, and switches is used along with the Trailer Brake Display Page on the DIC to adjust and display power output to the trailer brakes.

Driver Information Indicators and Messages

The following indicators are used to inform the driver of several different factors:

TRAILER CONNECTED

This message will be briefly displayed when a trailer with electric brakes is first connected to the vehicle. This message will automatically turn off in about ten seconds. The driver can also acknowledge this message before it automatically turns off.

(continued on next page)

Integrated Trailer Brake Control (ITBC) Description & Operation – Option JL1 (cont'd)

CHECK TRAILER WIRING

This message will be displayed if:

- The ITBC system first determines connection to a trailer with electric brakes and then the trailer harness becomes disconnected from the vehicle. If the disconnect occurs while the vehicle is stationary, this message will automatically turn off in about thirty seconds. This message will also turn off if the driver acknowledges this message off or if the trailer harness is re-connected. If the disconnect occurs while the vehicle is moving, this message will continue until the ignition is turned off. This message will also turn off if the driver acknowledges this message off or if the trailer harness is re-connected.
- There is an electrical fault in the wiring to the electric trailer brakes. This message will continue as long as there is an electrical fault in the trailer wiring. This message will also turn off if the driver acknowledges this message off. To determine if the electrical fault is on the vehicle side or trailer side of the trailer wiring harness connection, do the following:

1. Disconnect the trailer wiring harness from the vehicle.
2. Turn the ignition OFF.
3. Wait ten seconds, then turn the ignition back to RUN.
4. If the **CHECK TRAILER WIRING** message re-appears, the electrical fault is on the vehicle side. If the **CHECK TRAILER WIRING** message only re-appears when you connect the trailer wiring harness to the vehicle, the electrical fault is on the trailer side.

SERVICE TRAILER BRAKE SYSTEM

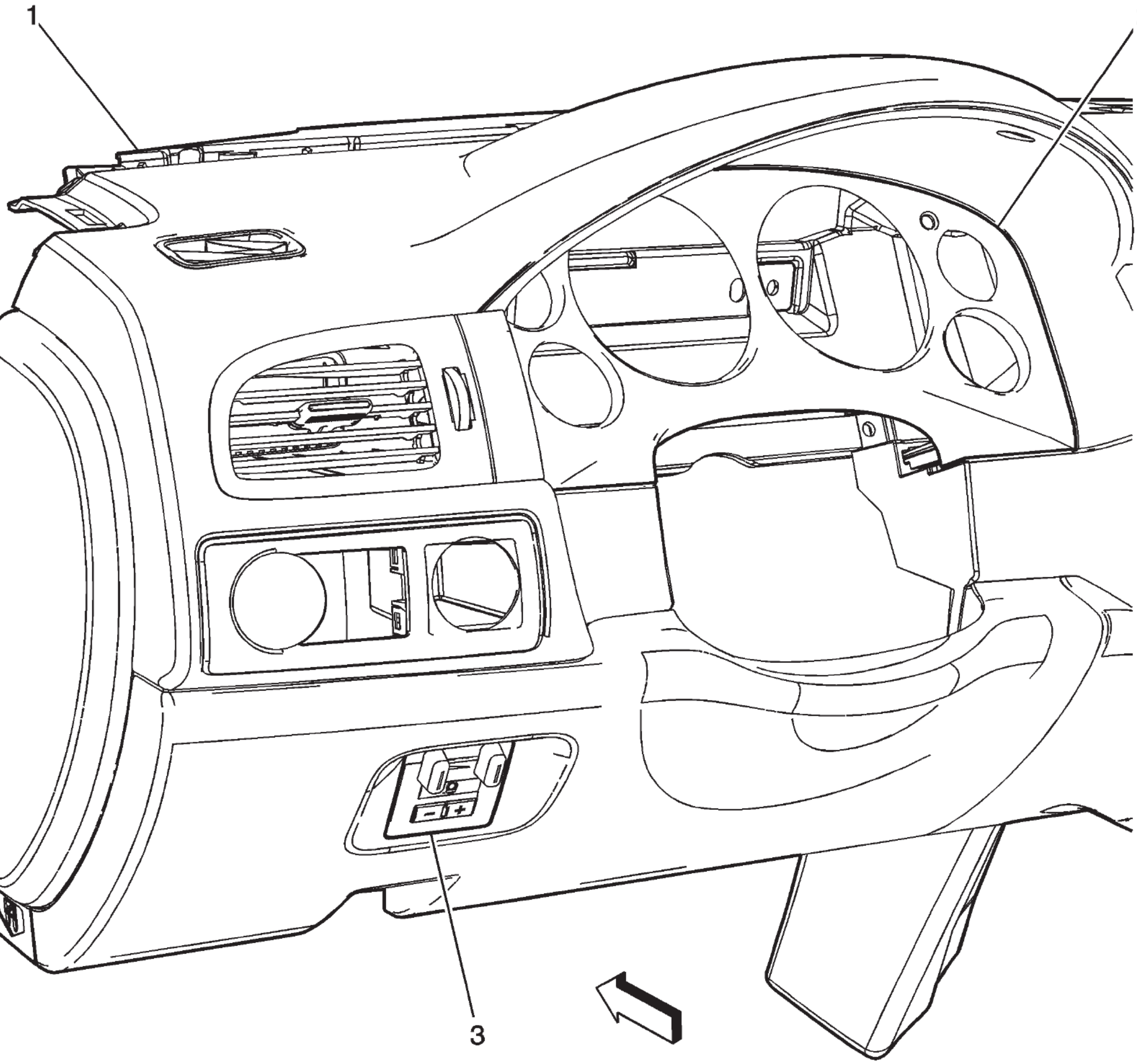
This message will be displayed when there is a problem with the TBCM system. If this message persists over multiple ignition cycles there is problem with the TBCM system. Take your vehicle to an authorized GM dealer to have the TBCM system diagnosed and repaired.

TRAILER GAIN and OUTPUT Display

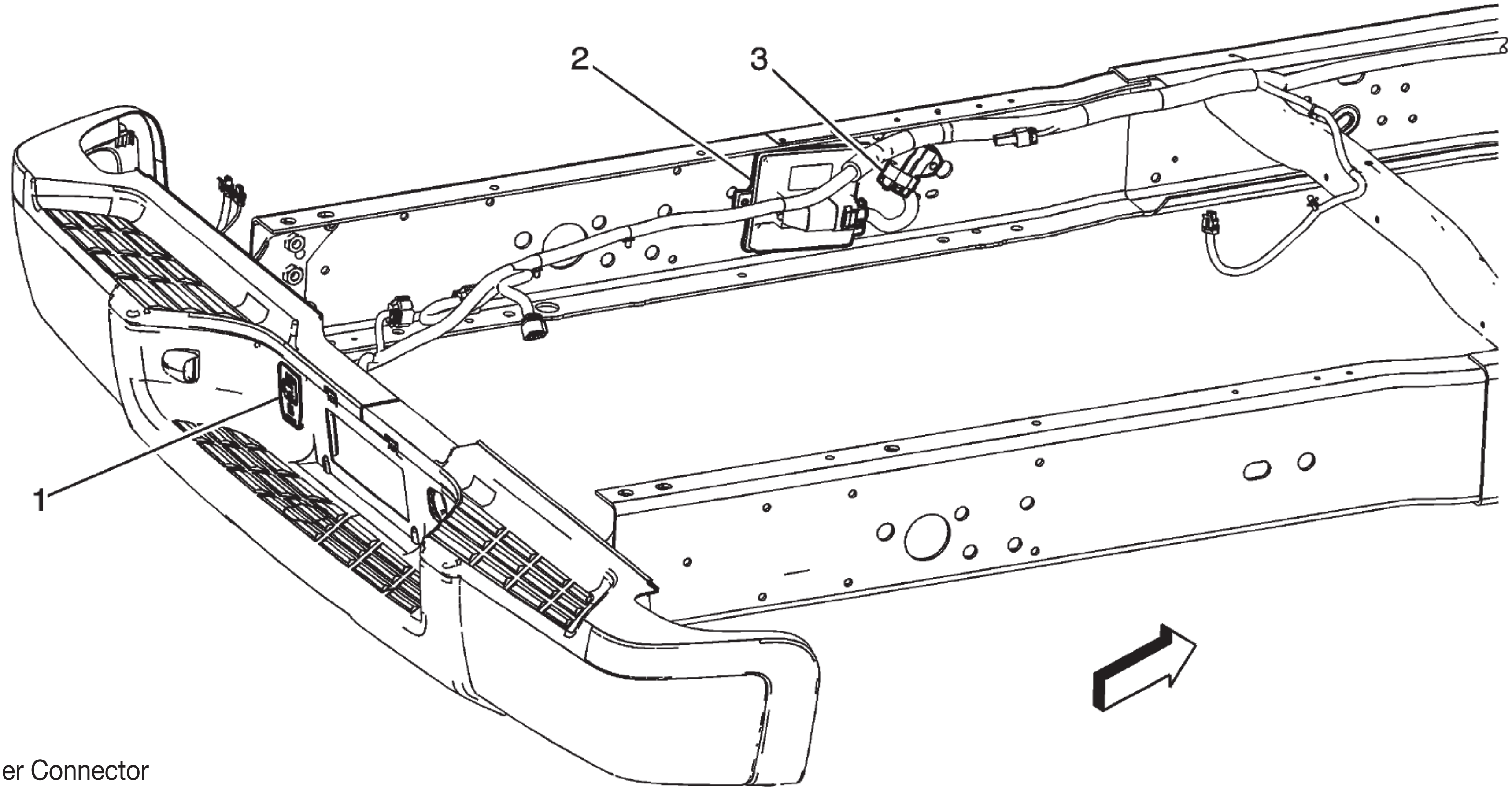
This display menu can be accessed by scrolling through the DIC vehicle Information menu, or any time the trailer gain +/- button is depressed, or the manual trailer brake apply lever is actuated. The trailer gain display is 0 to 10 in 0.5 step increments, and indicates the current user setting of the trailer output gain. The trailer output is 0 to 10 bars in 1 bar increments, and indicates the output power provided to the trailer brakes, relative to the gain setting.

Trailer Brake Controller Switch Location

(1) I/P Trim
(2) I/P Cluster Trim
(3) Trailer Brake Controller Switch



Trailer Brake Controller Module (TBCM) Location



(1) Trailer Connector
(2) Trailer Brake Controller Module (TBCM)
(3) Trailer Brake Controller Solid State Relay

Automatic Transmission Shift Lock Control

Description and Operation

The automatic transmission shift lock control system is a safety device that prevents an inadvertent shift out of PARK when the engine is running. The driver must press the brake pedal before moving the shift lever out of the PARK position. The system consists of the automatic transmission shift lock solenoid (serviced as the automatic transmission shift lock actuator), as well as the Body Control Module (BCM) and Engine Control Module (ECM). The shift lock solenoid is located within the steering column assembly.

The BCM controls the voltage supply circuit of the shift lock control solenoid. The following conditions must be met before the BCM will supply voltage to the shift lock control solenoid:

- The ignition is in the ON position.
- The ECM sends an input via GMLAN serial data to the BCM indicating the transmission is in the PARK position.
- The BCM determines the brake pedal is not applied according to the stop lamp switch.

Since the shift lock control solenoid is permanently grounded, the BCM supplies voltage to the automatic transmission shift lock control solenoid, mechanically locking the shift lever in the PARK position as the solenoid energizes. When the brake pedal is applied, the BCM turns the control voltage output of the shift lock control solenoid OFF, de-energizing the shift lock control solenoid. The de-energized solenoid releases the mechanical lock allowing the driver to move the shift lever out of the PARK position. When the transmission is out of the PARK position, the shift lock control solenoid remains de-energized.

During remote start operation the BCM will energize the shift lock control circuit, locking the shift lever in the PARK position.

Cruise Control and/or PTO Inoperative

This copy excerpted from GM PI #PIT3051B (09/08/2006)

Cruise Control and/or PTO Inoperative - keywords engage lamp light #PIT3051B - (09/08/2006)

Models: 2003-2007 Chevrolet Silverado Classic
2003-2007 GMC Sierra Classic
2003-2007 Chevrolet Express Van
2003-2007 GMC Savana Van
1 Ton Vehicles Only

This PI has been updated to add additional Model Years. (Please discard PIT3051A).

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

Some customers may state that the Cruise Control and/or the Power Take Off Unit (PTO) may be in-op. If the vehicle was originally equipped with a Center High Mount Stop Lamp (CHMSL) assembly and the vehicle is a cut away or has been modified. It is possible that the CHMSL was removed or was ordered with CHMSL delete option (RPO TS9).

Recommendation/Instructions:

Install a 330 ohm 3/4 watt resistor in place CHMSL connector. If a connector is not available. Place the resistor between circuit 17 and secure the other end of the resistor to ground and tape to harness.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.

Diesel Particulate Filter

Diesel Particulate Filter

Your vehicle has a Diesel Particulate Filter (DPF) as part of the exhaust system to reduce vehicle emissions. The DPF requires a unique exhaust tailpipe with an exhaust cooler. The exhaust cooler mixes air with the exhaust at the tailpipe. This lowers the exhaust temperature before it leaves the tailpipe.

The DPF, the tailpipe, or other exhaust system components must not be altered. The area where the exhaust cooler connects to the tailpipe should be inspected, especially the area where the fresh air enters the cooler. Make sure the openings are not restricted or plugged with mud or dirt which could inhibit exhaust gas cooling. See "*Exhaust System Inspection*" under *At Least Once a Year*.

The DPF will regenerate (self-clean) itself as part of normal operation. The Engine Control Module (ECM) controls this function based on several factors including the amount of fuel consumed, hours of engine operation and miles driven. On average, the DPF will clean itself about once per tank of fuel.

Notice: Use of diesel fuel other than Ultra Low Sulfur Diesel (15 ppm sulfur maximum) or engine oil other than low ash CJ-4 oil will cause permanent damage to the DPF and related components. This damage would not be covered by your warranty.

Your DPF equipped vehicle has specific fuel and engine oil requirements. See *What Fuel to Use* and *Engine Oil* to make sure you use the required fuel and engine oil.

Caution: During DPF regeneration, the exhaust system and exhaust gases are very hot. Things that burn could touch hot exhaust parts under your vehicle and ignite. You or others could be burned. Do not park near or over papers, leaves, dry grass, or other things that can burn.

If you have a pickup model and the CLEAN EXHAUST FILTER SEE OWNERS MANUAL NOW message appears in the Driver Information Center (DIC), the DPF needs to be cleaned. If you have a van model and the engine exhaust gas filter warning light, CLN EXH FILTER, comes on, the DPF needs to be cleaned. See *DIC Warnings and Messages* for pickup models, or *Engine Exhaust Gas Filter Warning Light* for van models.

To clean the filter, drive the vehicle above 30 mph (50 km/h) until the warning light/message goes off. This will take about 20 minutes.

Notice: Extended idle should be avoided because the DPF system is not capable of regenerating at idle. During extended idle, be sure to watch for the DPF warning light/message which could come on to indicate that the DPF is becoming full and needs regeneration. If the light/message comes on, stop the idling and drive the vehicle as described previously to clean the filter. Continued idling with the warning light/message on could cause irreversible damage to the DPF requiring repair and possible replacement that might not be covered by your warranty.

(continued on next page)

Diesel Particulate Filter (cont'd)

Extended idling in PARK (P) can cause exhaust parts and gases to become very hot. Keep the exhaust area clear of material that could ignite or burn. See *Parking Over Things That Burn* for more information.

The DPF warning light/message comes on when the DPF is dirty and needs regenerating. You will also notice a change in the exhaust sound and engine idle speed. This is normal.

If you continue to drive with the DPF warning light/message on and the exhaust filter is not cleaned as required, the check engine and reduced engine power warning lights will come on and dealer/retailer service is necessary. See *Malfunction Indicator Lamp* and *Reduced Engine Power Light* for more information.

For vehicles with Power Take-Off (PTO), monitor the instrument panel cluster for lights related to the DPF.

All engines consume some amount of engine oil. This is normal. The by-product of combustion of engine oil is ash. The ash will become trapped in the DPF over the life of the vehicle. Eventually, the buildup of ash will restrict the exhaust gases and the DPF will need to be cleaned or replaced.

See *Accessories and Modifications* for important information.

12-Volt Power Supply (SEO 9L4)

Electrical Connections

Your vehicle is equipped with wiring provisions for a 12-volt power supply (SEO 9L4). Refer to the following information when adding electrical accessories that will use the 9L4 12-volt power supply feeds connected to your vehicle's electrical system. After reading the following information, keep it with your owner's manual for future reference.

Notice: Before modifying or adding any wiring, be sure that it will work properly with your vehicle's wiring system. Because there are so many modifications that can be made for many different bodies and accessories, GM cannot take responsibility for any changes made. Such changes may not be covered by your GM Warranty. Have the work done by an experienced electrical technician.All wiring must be properly protected by fuses, etc. and must be routed properly so that it will not be cut, pinched or rubbed by other parts of the vehicle. Do not route wiring in areas where it will be very hot. Be sure not to overload the vehicle's wiring, connectors and components. All added wire must be at least the same size as the wire being attached to for proper fuse protection.

Installation Instructions —
12 Volt Accessory Power Supply

1. Disconnect the battery negative (-) cable at the battery. The negative (-) battery cable must be disconnected before the positive wiring lead is connected to the power accessory.
2. Locate the power supply harness under the instrument panel near the center of the vehicle. The wire bundle consists of six blunt cut wires, two red/white (battery hot), two black (ground), one light green (Ign hot) and one light blue (Ign hot).
3. Remove the tape to release the wire bundles from the power supply harness.
4. The IGN A and IGN B wires have voltage supplied and are HOT when the ignition is turned to ACC, RUN or RAP (Retained Accessory Power).

   The BAT A and BAT B wires have direct voltage supplied and are HOT at all times.

   The combined electrical load of IGN A and BAT A must not exceed 21 amps (250 watts). Additionally, the combined electrical load of IGN B and BAT B must not exceed 21 amps (250 watts). The combined electrical load of all circuits must not exceed 42 amps (500 watts).
5. Prepare the wires that are to be used to connect the power accessory. Do not remove the unused wires. Tape unused wires back in their original position under the instrument panel.
6. Complete the wiring installation of the customer added accessory with additional wire required for the specific electrical accessory power connection. The wire gage, 12 gage (3.0 mm^2), should be the same as the wiring of the installed harness.
7. The ignition must be turned to OFF or ACC prior to attaching the cables to the battery, or serious damage to the Vehicle Control Module (VCM) may result.

   The windshield wiper switch and the radio must be turned off before attaching cables to the battery.
8. Reconnect the battery negative (-) cable to the battery. Torque the bolt to 3.7 lb-ft. (5 N·m).
9. Reset the clock time and radio pushbuttons as desired.

LED or Additional Turn Signals

LED or Additional Turn Signals

Amber turn lamps on the NEW C/K Trucks are only used on the front of the vehicle. Rear lamps are combined stop/turn (red). Turn signals are controlled by the BCM. No flasher module is used. Adding additional bulbs will cause the BCM output to shut down resulting in no flashing. Replacing the front turn lamps with LED's will result in a rapid flash rate. This FMVSS required lamp outage detection is due to the change in lamp current through the BCM.

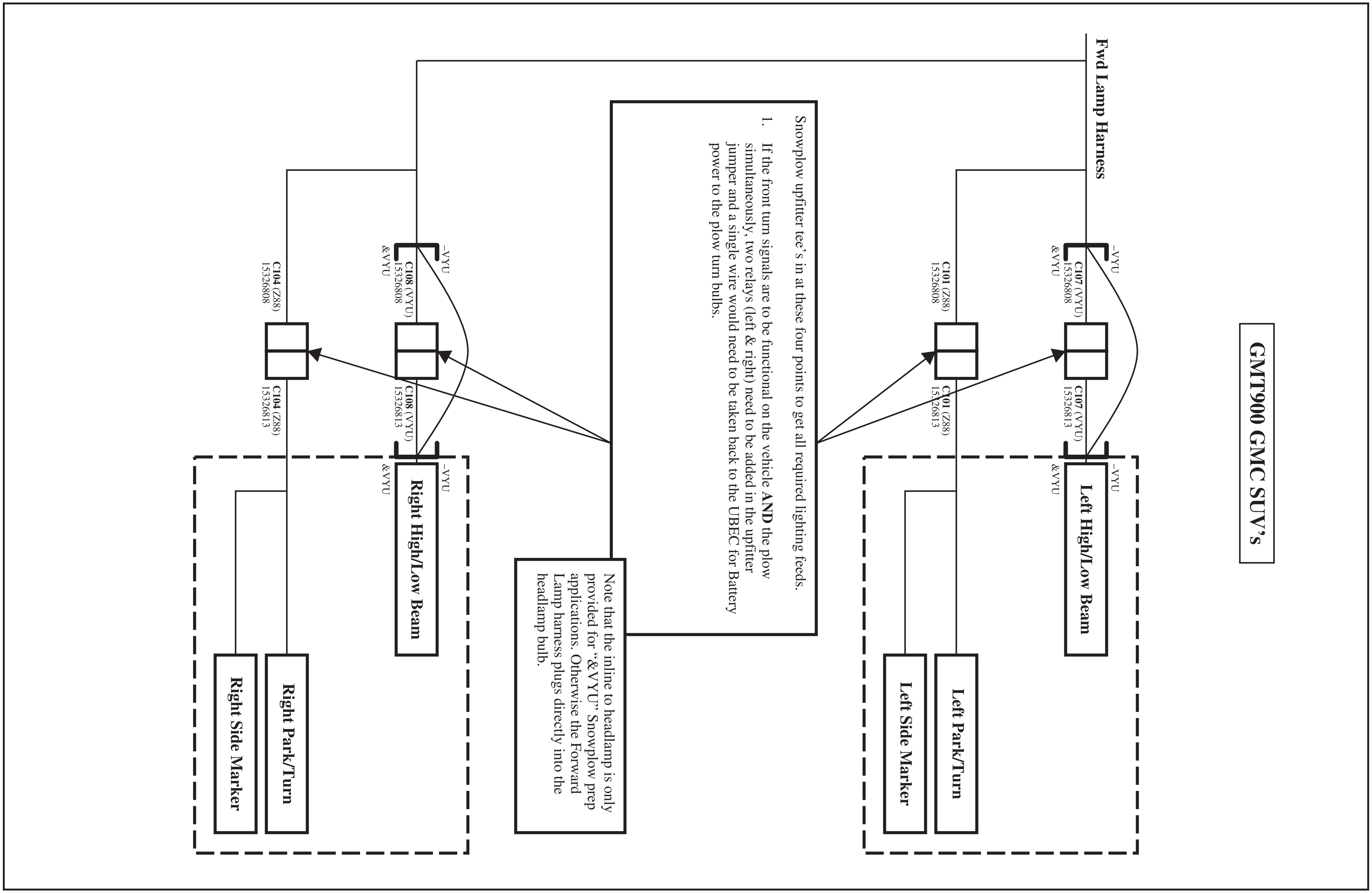
Two relays (left and right) need to be added for additional or LED turn signals. Power for the relays needs to go back to the UBEC. Turn signals are available at the forward lamp connectors. Information on these connectors is shown in Section C of the Utility Body Builders manual shown on the Upfitters website. The address of the manual is:

http://www.gmupfitter.com/publicat/2007_BB/2007_LD_FS_CK_Utility_Elec.pdf

Chevrolet Silverado and GMC Sierra Pickup forward light circuits are identical. They are similar to the Chevrolet SUV but lack the separate DRL lamps of the SUV. Daytime Running Lights are accomplished by reduced intensity headlamps. The Pickups use the same connectors as the Chevy SUV. C100 and C106 are shown on pages C-6 and C-9 of the Utility manual. There is no additional connector for the VYU (Snowplow) option. Requirements for Snowplows are shown. Adding additional lights or LED's have the same vehicle wiring requirements.

Note: The truck will not have Lamp (or LED) outage detection. Although the life of high-quality LED's are substantially longer than the bulbs they replace, it is the upfitter's responsibility for making this modification.

Additional Turn Signals – GMC Yukon (Z88)



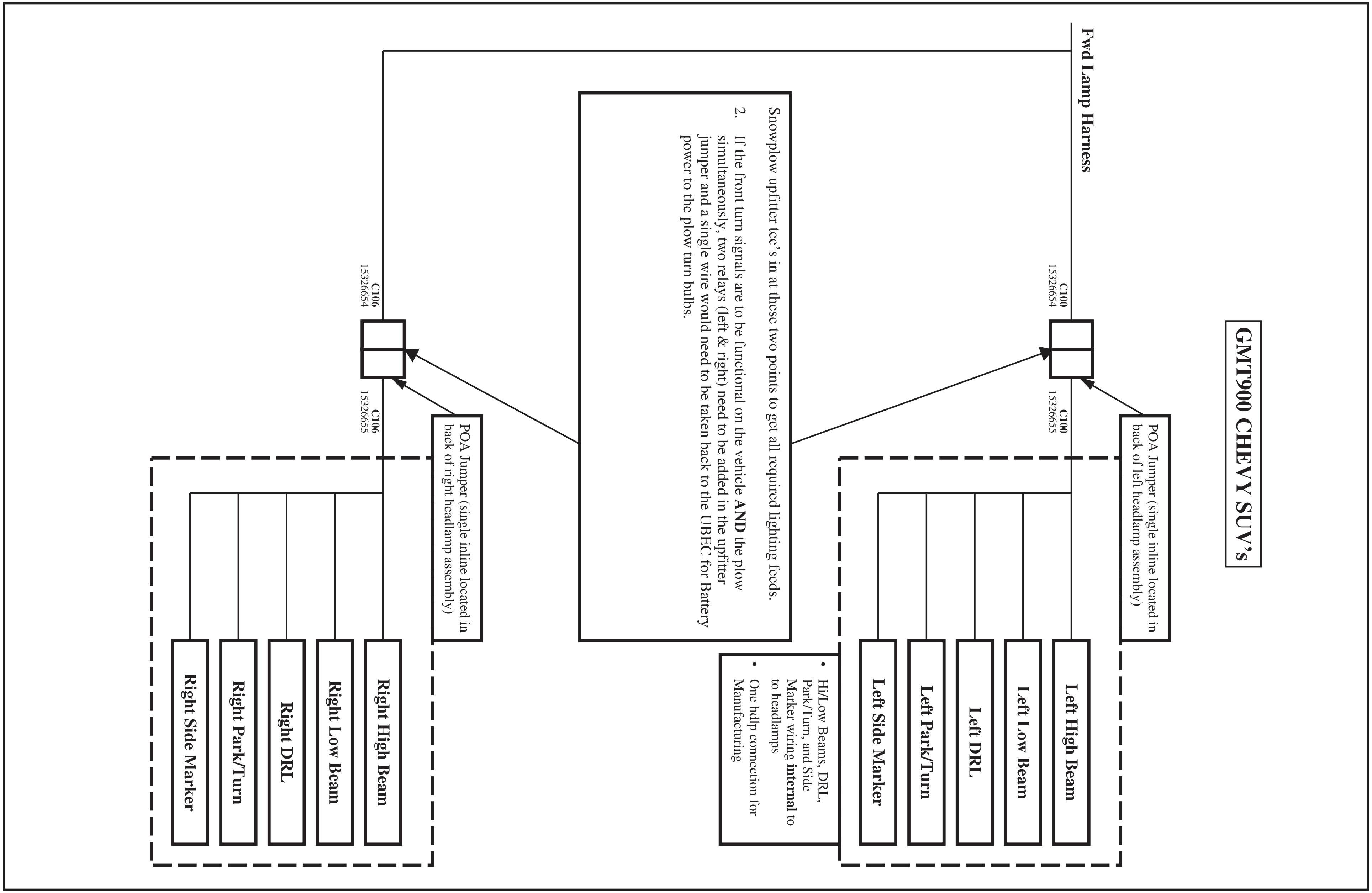
Snowplow upfitter tee's in at these four points to get all required lighting feeds.

1. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.

Note that the inline to headlamp is only provided for "&VYU" Snowplow prep applications. Otherwise the Forward Lamp harness plugs directly into the headlamp bulb.

Fwd Lamp Harness
GMT900 GMC SUV's
C104 (Z88) 15326808
C104 (Z88) 15326813
C108 (VYU) 15326808 &VYU
–VYU
C108 (VYU) 15326813
&VYU
–VYU
C101 (Z88) 15326808
C101 (Z88) 15326813
C107 (VYU) 15326808 &VYU
–VYU
C107 (VYU) 15326813
&VYU
–VYU
Right High/Low Beam
Right Park/Turn
Right Side Marker
Left High/Low Beam
Left Park/Turn
Left Side Marker

Additional Turn Signals – Chevrolet Tahoe & Suburban (X88)



GMT900 CHEVY SUV's
Fwd Lamp Harness
C100
15326654
C100
15326655
C106
15326654
C106
15326655
Left High Beam
Left Low Beam
Left DRL
Left Park/Turn
Left Side Marker
Right High Beam
Right Low Beam
Right DRL
Right Park/Turn
Right Side Marker

Snowplow upfitter tee's in at these two points to get all required lighting feeds.

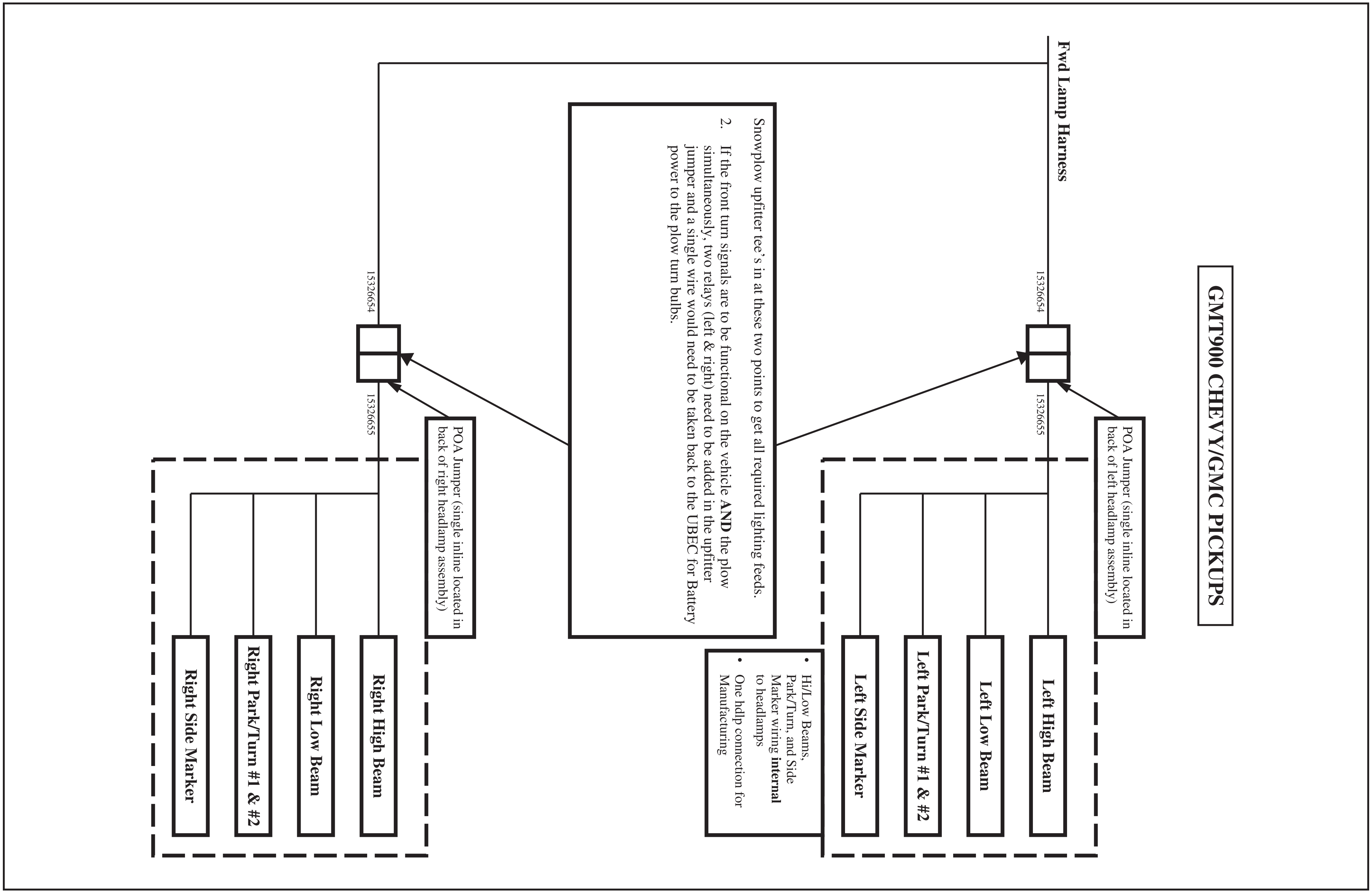
2. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.

POA Jumper (single inline located in back of left headlamp assembly)

POA Jumper (single inline located in back of right headlamp assembly)

- Hi/Low Beams, DRL, Park/Turn, and Side Marker wiring **internal** to headlamps
- One hdlp connection for Manufacturing

Additional Turn Signals – Chevrolet & GMC Pickups


GMT900 CHEVY/GMC PICKUPS
Fwd Lamp Harness
15326654
15326655
15326654
15326655
POA Jumper (single inline located in back of left headlamp assembly)
POA Jumper (single inline located in back of right headlamp assembly)
Left High Beam
Left Low Beam
Left Park/Turn #1 & #2
Left Side Marker
Right High Beam
Right Low Beam
Right Park/Turn #1 & #2
Right Side Marker

Snowplow upfitter tee's in at these two points to get all required lighting feeds.

2. If the front turn signals are to be functional on the vehicle **AND** the plow simultaneously, two relays (left & right) need to be added in the upfitter jumper and a single wire would need to be taken back to the UBEC for Battery power to the plow turn bulbs.

- Hi/Low Beams, Park/Turn, and Side Marker wiring **internal** to headlamps
- One hdlp connection for Manufacturing

Service Body Rear Lighting Options (including LED)

This copy excerpted from GM UI Bulletin #81 (04/17/2007)

The address of the UI Bulletin #81 (and the accompanying Upfitter addendum #07-08-442-006) is:

http://www.gmupfitter.com/publicat/bull/63135_Bulletin_81_D3.pdf

Service Body Lighting Options (including LED)

Models Affected: All New C/K Chevrolet Silverado and GMC Sierra, 3500 Series Heavy Duty Chassis Cab, Pickups with Box Delete Option (RPO ZW9) and, Models Approved for Pickup Box Removal

SUMMARY

- Chassis Cab & ZW9 box delete option models will work with LED or any other turn signals without modification.
- Tail lamp alteration of a regular truck (i.e. deleting Pickup box w/o ZW9) needs to have the BCM calibration changed if LED's or single bulb lamps are used. This must be done at a dealer.

Service Bulletin (Document ID# 1956334) describes how the dealer can change the BCM calibration.

Notes: This bulletin addresses the "All New" not the "Classic" C/K truck.

FMVSS 108 / CMVSS 108 compliance is the responsibility of the upfitter.

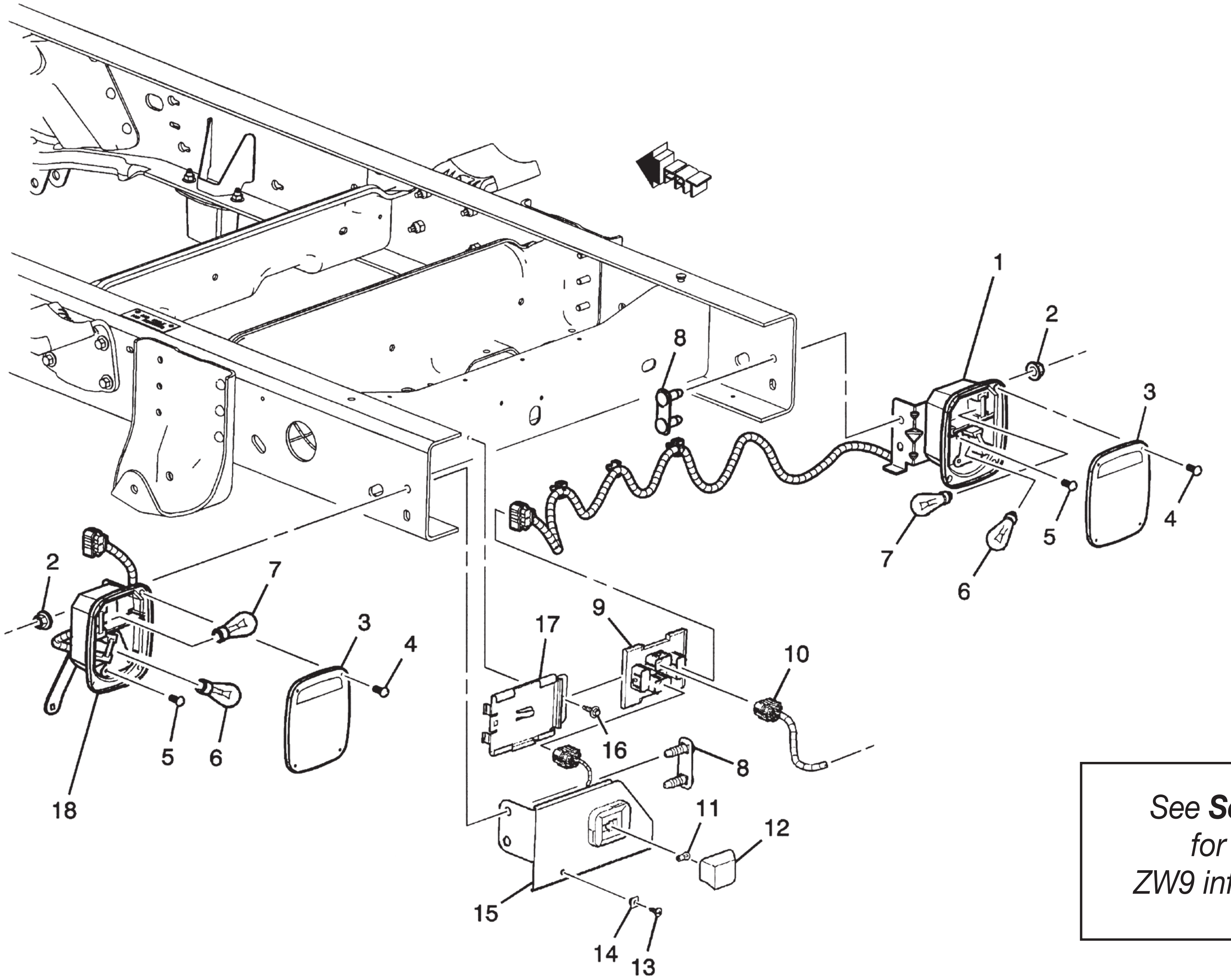
Significant points are as follows:

- The Turn Signals are controlled by the BCM not a separate flasher module.
- Rear Lamp Bulb Outage detection is displayed as a "fast" turn signal flash rate in the cluster.
- All trucks are built with one of two BCM calibrations:
  - All "regular" C/K trucks - 2 Bulb Outage Detection
  - All Chassis Cabs & ZW9 box delete option – No Bulb Outage Detection. This may be used for LED turn signals with a standard flash rate.
  - Note: No calibration presently exists for Single Bulb Lamp Outage Detection.
- The BCM is current limited to 6A. The BCM output (& lamps) will turn off if this is exceeded.
- The "All New" C/K trucks have combined "red" stop/turn signal lamps.
- Adding additional turn only (Amber) signals are described in the Body Builders Manual.

WE SUPPORT VOLUNTARY TECHNICIAN CERTIFICATION

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.

Service Body Rear Lighting Options – Pickup Box Delete (ZW9)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See **Section E** for more ZW9 information.

TC02-948 07/13/2007

Preface: Support Information

• Acronyms

- 2WD = Two Wheel Drive
- 4WD = Four Wheel Drive
- A/D = Analog to Digital
- AIR = Air Injection Reaction
- ACCY = Accessory
- AMP = Amplifier or "Current"
- ANLG = Analog
- A/V = Audio/Video
- ABS = Antilock Brake System
- AOS = Auxiliary Occupant Sensing
- ASM = Assembly
- AUX = Auxiliary
- AWD = All Wheel Drive
- BASS = Brake Apply Sensing System
- BATT = Battery
- BCM = Body Control Module
- BEC = Bussed Electrical Center
- BOT = Bottom Of Travel
- CHMSL = Center High Mounted Stop Lamp
- CTSY = Courtesy
- DDM = Driver Door Module
- DIC = Driver Information Center
- DLC = Diagnostic Link Connector
- DLIS = Discrete Logic Ignition Switch
- DOD = Displacement On Demand
- DR = Door
- DRL = Daytime Running Lamps
- DVC = Dual Voice Coil
- DVD = Digital Versatile Disc
- E85 = Ethanol 85%
- EAP = Electric Adjustable Pedals
- ECC = Electronic Climate Control
- ECM = Engine Control Module
- EGR = Exhaust Gas Recirculation
- EHPS = Electro-Hydraulic Power Steering
- EK = Easy Key
- EOSS = Engine Output Speed Sensor
- ESD = Electro Static Discharge
- ETC = Electronic Throttle Control
- EV = Electro-Viscous
- EXP = Export
- EXT = External or Exterior
- FREQ = Frequency
- FRT = Front
- FTP = Flash To Pass
- GMHS = GM High Speed LAN
- GMLS = GM Low Speed LAN
- GND = Ground
- GPM = Glow Plug Module
- GPS = Global Positioning System
- HCM = Hybrid Control Module

• Acronyms (continued)

- HDI = High Discrete Input
- HDLP = Headlamp
- HID = High Intensity Discharge
- HSD = High Side Drive
- HVSM = Heated/Vented Seat Module
- HVAC = Heat Vent Air Condition
- IAH = Intake Air Heater
- IAT = Intake Air Temperature
- INC DIM = Incandescent Dimming
- IND DIM = Indicator Dimming
- IPC = Instrument Panel Cluster
- IR = Infrared
- ISRVM = Inside Rear View Mirror
- LBEC = Left BEC
- LDI = Low Discrete Input
- LF = Left Front
- LED = Light Emitting Diode
- LED DIM = LED Dimming
- LGM = Liftgate Module
- LH = Left Hand
- LIN = Linear Interconnect Network
- LOMA = Lifter Oil Manifold Assembly
- LPM = Linear Power Module
- LR = Left Rear
- LSD = Low Side Drive
- MAF = Mass Air Flow
- MAP = Manifold Absolute Pressure
- MAT = Manifold Air Temperature
- MBEC = Mid BEC
- MDD = Medium Duty Dual Side Clutch
- MDL = Module
- MOV = Metal Oxide Varistor
- MR = Magneto-Rheological
- MSM = Memory Seat Module
- MTR = Motor
- NC = Normally Closed
- NO = Normally Open
- OSRVM = Outside Rear View Mirror
- PAS or PASS = Passenger
- PCP = Pre-Charge Pump
- PDM = Passenger Door Module
- PD = Pull Down
- POA = Part Of Assembly
- PPM = Pulse Per Minute
- PPS = Pedal Position Sensor
- PRNDL = Park Reverse Neutral Drive Low
- PSIR = Passenger SIR
- PTC = Positive Temperature Coefficient
- PTO = Power Take Off
- PTR = Powertrain Relay
- PU = Pull Up

• Acronyms (continued)

- PWM = Pulse Width Modulation
- PWR = Power
- R/C = Run/Crank
- RAP = Retained Accessory Power
- RF = Right Front
- RFA = Remote Function Actuator
- RH = Right Hand
- RHBLK = Right Hand Block (Bussing)
- RPO = Regular Product Option
- RR = Right Rear
- RRBLK = Rear Block (Bussing)
- RSA = Rear Seat Audio
- RSE = Rear Seat Entertainment
- RTD = Real Time Damping
- RVC = Regulated Voltage Control
- RWS = Rear Wheel Steer
- SBAT = Switched Battery
- SDARS = Satellite Digital Audio Radio Services
- SDM = Sensing & Diagnostic Module
- SENS = Sensor or Sensing
- SEO = Special Equipment Option
- SIR = Supplemental Inflatable Restraint
- SNRF = Sunroof
- SRC = Source
- STRG = Steering
- SW = Switch
- SWC = Steering Wheel Controls
- TCM = Transmission Control Module
- TED = Thermal Electrical Device (Platinum Cupholders)
- TISS = Transmission Input Speed Sensor
- TOSS = Transmission Output Speed Sensor
- TOT = Top Of Travel
- TPS = Throttle Position Sensor
- TRLR = Trailer
- TURSS = Turbine Speed Sensor
- TUTD = Tap Up Tap Down
- UBEC = Underhood BEC
- UGDO = Universal Garage Door Opener
- UPA = Ultrasonic Park Assist
- VAR = Variable
- VASS = Vehicle Access & Starting Security
- VHSS = Variable Height Suspension System
- VNC = Vehicle Noise Control
- VSES = Vehicle Stability Enhancement System
- WFHS = Washer Fluid Heating System
- WIF = Water In Fuel
- WUA = Wake Up Analog
- WUD = Wake Up Dual Edge
- WUF = Wake Up Falling Edge
- WUR = Wake Up Rising Edge
- XCVR = Transciever

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Preface: Support Information
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Preface: Support Information (cont'd)

•Miscellaneous Information

- C = 2WD
- K = 4WD
- 03 = Regular Cab Pickup
- 43 = Crew Cab Pickup
- 53 = Extended Cab Pickup
- 06 = Utility (Both 706 & 906)
- 706 = Regular Utility
- 906 = Large Utility
- 36 = Ultimate Utility Vehicle (UUV)
- 10 = Series (Pickup/Utility/UUV)
- 20 = Series (Pickup/Utility/UUV)
- 30 = Series (Pickup)
- 31 = Series (Cab Chassis)

•900 Numbers

- 901 - Light Duty Pickups - Chevy Silverado
- 902 - Light Duty Pickups - GMC Sierra, (GMC Sierra Denali?)
- 911 - Heavy Duty Pickups - Chevy Silverado
- 912 - Heavy Duty Pickups - GMC Sierra, (GMC Sierra Denali?)
- 921 - Utility - Chevrolet Tahoe
- 922 - Utility - GMC Yukon, (GMC Yukon Denali?)
- 926 - Utility - Cadillac Escalade
- 931 - Large Utility - Chevrolet Suburban
- 932 - Large Utility - GMC Yukon XL, (GMC Yukon Denali XL?)
- 936 - Large Utility - Cadillac Escalade ESV
- 941 - Sport Utility Truck - Chevrolet Avalanche
- 946 - Sport Utility Truck - Cadillac Escalade EXT

•Vehicles by RPO

- 03/43/53 = Chevrolet Silverado / GMC Sierra / GMC Sierra Denali
- 03/43/53&X88 = Chevrolet Silverado
- 03/43/53&Z88 = GMC Sierra / GMC Sierra Denali (43 Only)
- 06 = Cadillac Escalade / Cadillac Escalade ESV / Chevrolet Tahoe / Chevrolet Suburban /
- GMC Yukon / GMC Yukon Denali / GMC Yukon XL / GMC Yukon Denali XL
- 06&X88 = Chevrolet Tahoe / Chevrolet Suburban
- 06&Z75 = Cadillac Escalade / Cadillac Escalade ESV
- 06&Z88 = GMC Yukon / GMC Yukon Denali / GMC Yukon XL / GMC Yukon Denali XL
- 06&Z88&Y91 = GMC Yukon Denali / GMC Yukon Denali XL
- 36 = Chevrolet Avalance / Cadillac Escalade EXT
- 36&X88 = Chevrolet Avalance
- 36&Y91/Z75 = Cadillac Escalade EXT
- 43&Y91 = GMC Sierra Denali
- 43&Y91&Z88 = GMC Sierra Denali
- 706 = Cadillac Escalade / Chevrolet Tahoe / GMC Yukon / GMC Yukon Denali
- 706&X88 = Chevrolet Tahoe
- 706&Y91 = Cadillac Escalade / GMC Yukon Denali
- 706&Y91&Z88 = GMC Yukon Denali
- 706&Z75 = Cadillac Escalade
- 706&Z88 = GMC Yukon / GMC Yukon Denali
- 906 = Cadillac Escalade ESV / Chevrolet Suburban / GMC Yukon XL / GMC Yukon Denali XL
- 906&X88 = Chevrolet Suburban
- 906&Y91 = Cadillac Escalade ESV / GMC Yukon Denali XL
- 906&Y91&Z88 = GMC Yukon Denali XL
- 906&Z75 = Cadillac Escalade ESV
- 906&Z88 = GMC Yukon XL / GMC Yukon Denali XL)

Preface: Support Information (cont'd)

- **RPOs**
  - 03 = Regular Cab Pickup
  - 06 = Utility (Applicable to both 706 & 906)
  - 36 = Ultimate Utility Vehicle (UUV)
  - 43 = Crew Cab Pickup
  - 53 = Extended Cab Pickup
  - 706 = Regular Utility
  - 906 = Large Utility
  - 5W4 = Special Service Package (4WD Police Package)
  - (5W4 contains 6J1, 6J3, 6J4, 6J7, 7X6, 7X7, 9G8, TRW, WX7 & optionally 6A6)
  - 5X7 = Provisions - Wrecker Emergency Lamp (SEO)
  - 5Y0 = Wiring Provisions Body Builder Emergency Lamp (SEO)
  - 6A6 - Dual Battery, 730 CCA
  - 6J1 = Power Supply, 100Amp at Dash and Rear Compartment
  - 6J3 = Wiring Provisions, Grill Lamp & Speakers
  - 6J4 = Wiring Provision, Horn/Siren
  - 6J7 = Wiring Provision, Head Lamp & Tail Lamp Flasher
  - 7X6 = Spot Lamp, LH
  - 7X7 = Spot Lamp, LH & RH
  - 7Z1 = Horn - Dual Hight Note (SEO)
  - 6A6 - Dual Battery, 600 CCA & 770 CCA (SEO)
  - 8S3 = Alarm B/U Electrical 97 Decibels (SEO)
  - 8S8 = Wiring Provisions Odometer Security (SEO) {Unused?}
  - 8X5 = Generator 105 Amp, Dual (SEO) (w/o YF2)
  - 906 = Large Utility
  - 9G8 = DRL Delete
  - 9L4 = Wiring Provisions 12V Power Supply
  - A31 = Window, Electric Operated, Side
  - A48 = Window RR Full Width, Sliding, Power
  - ABV = Window Power Operated, RR Side Access Drs
  - AG1 = Driver Power Seat
  - AG2 = Passenger Power Seat
  - AL0 = Auxiliary Occupant Sensing (AOS)
  - AN3 = Memory Driver Seat
  - AP3 = Lock Control, Entry Remote, Keyless Entry, Start
  - AP8 = Lock Control, Entry Remote Entry, Extended Range (Remote Start Ready)
  - ARS = Power Fold & Tumble 2nd Row Seats
  - AS3 (with ASF) = Third Row Roof Rail Airbags
  - ASF = Restraint Roof Side, LH & RH, Inflatable
  - AU0 = Lock Control Remote Entry
  - AU3-YE9 = Base Power Locks
  - AZ3 = Seat Frt Split, Driver, Pass, Full Feature Center
  - BRS = Retractable Runningboard
  - C25 = Wiper/Washer System, Rear Window
  - C36 = Heater Auxiliary
  - C42 = Manual Heater Only
  - C49 = Rear Window Defog
  - C67 = HVAC System Air Conditioning FRT Electronic Controls
  - C69 = HVAC System RR Air Conditioner
  - C99 = Switch Infl Rst I/P Mdl Man Suppression

- **RPOs (continued)**
  - CE1 = Wiper System Windshield, Pulse, Moisture Sensitive
  - CF5 = Roof Sun, Glass, Sliding, Elec
  - CJ2 = Dual HVAC System Auto Temp Cont
  - CJ3 = Dual HVAC System Man Temp Cont
  - D07 = Console Frt Compt, Floor, Custom
  - DBL2751 = 2751 Double Ring Terminal
  - DD8 = Mirror I/S R/V Electrochromic
  - DH6 = Mirror I/S, Visor Vanity, LH & RH Sunshade (ILLUM)
  - DL3 = Mirror O/S LH & RH, Rem Cont, Elec, Heat, Pwr Fold, Turn Sig, Electrochromic
  - DL8 = Mirror O/S LH & RH, Rem Cont, Elec, Heated, Manual Fold
  - DNU = Equipment, Additional DVD Screen
  - DPN = OSRVM w/ Elect, Heat, Turn
  - DR4 = OSRVM, Electric, Heated, Light Sensitive, Power Folding, Turn Signal (Export?)
  - DT4 = Factory Installed Cigar Lighter (Cadillac Only)
  - E52 = One Piece Lift Gate With Lift Glass
  - E61 = Door RR Liftgate, Power
  - EVA = Evap Emission
  - EXPORT = European Export Content (awaiting RPO)
  - G69 = Level Control Auto, Air, HD
  - HVY = Heavy Duty Models (20HD, 30, 31)
  - (-HVY) = Light Duty Models (10, 20LD)
  - JD3 = Brake System, Vacuum, ABS Controls, 7,700 Lbs
  - JF3 = Brake System, Vacuum, ABS Controls, 7,000 Lbs
  - JF4 = Pedals Adjustable, Power
  - JF7 = Brake System, Vacuum, ABS Controls, 6,400 Lbs
  - JH6 = Brake Hyd Power, 4 Whl Disc, 9,900 Lbs
  - JH7 = Brake Hyd Power, 4 Whl Disc, 12,300 Lbs
  - JL1 = Integrated Trailer Brake Controller
  - JL0 = Active Brake Control (VSES) Not Desired
  - JL4 = Control Active Brake (VSES)
  - K18 = Reactor System Air Injection, Electric
  - K34 = Cruise Control, Electric
  - K65 = Generators 105 Amp, Dual,
  - KA6 = Heater Seat, Rear
  - KA9 = Heater Steering Wheel
  - KB6 = Heater Seat, Cooling, Frt
  - L76 = 6.0L V8 Gasoline Engine (Aluminum - DOD)
  - L92 = 6.0L V8 Gasoline Engine (Aluminum - DOD)
  - LC9 = 5.3L V8 E85 Engine (Aluminum - DOD)
  - LH6 = 5.3L V8 Gasoline Engine (Aluminum - DOD)
  - LMG = 5.3L V8 Gasoline Engine (Iron - DOD) E85
  - LMM = Engine Diesel 8 cyl, 6.6L, DPI, V8, Duramax
  - LU3 = 4.3L V6 Gasoline Engine (Iron)
  - LY2 = 4.8L V8 Gasoline Engine (Iron)
  - LY5 = 5.3L V8 Gasoline Engine (Iron - DOD)
  - LY6 = 6.0L V8 Gasoline Engine (Iron)
  - M30 = Transmission Auto 4 Speed, HMD, 4L60E, Electronic
  - M70 = Transmission Auto 4 Spd, HMD, 4L70-E, Super Duty
  - M96 = Transmission Manual 5 Speed, Tremec, 190 mm

Preface: Support Information (cont'd)

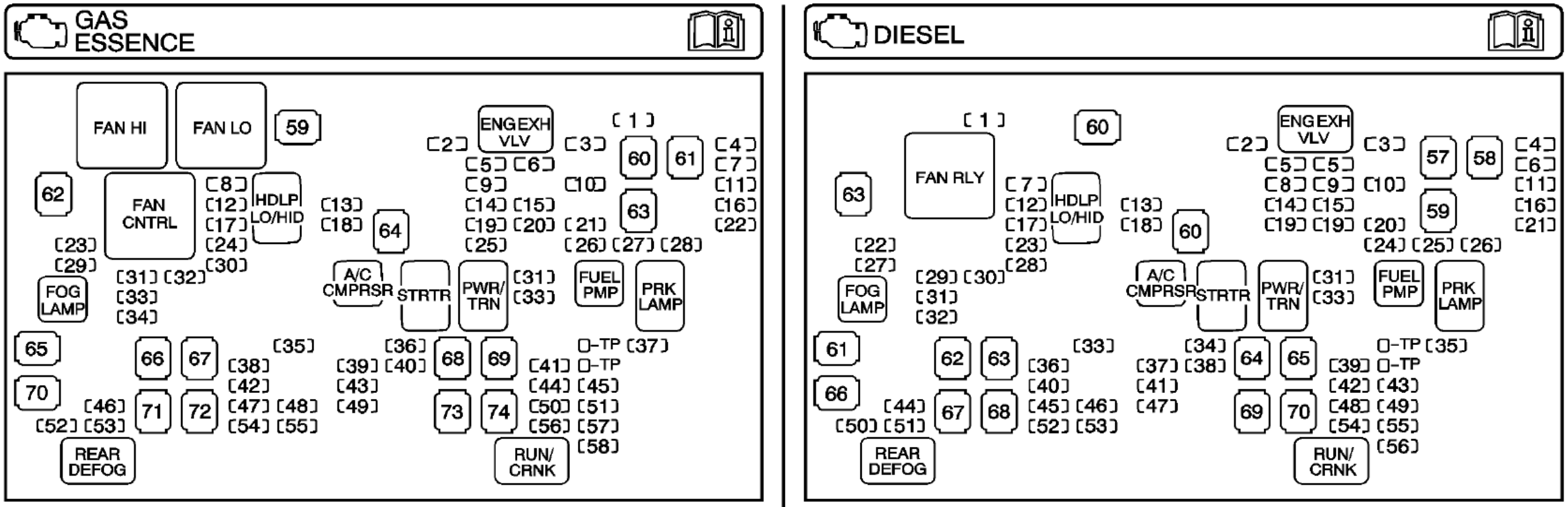
•RPOs (continued)

- MW7 = Transmission Auto 5 Speed, Allison LCT, O/D, Conv Clutch
- MYC = Transmission Auto 6 Speed, HMD, 6L80
- MYD = Transmission Auto 6 Speed, HMD, 6L90
- NP8 = Transfer Case Active, 2 Speed, Push Button Cont.
- (-NQZ) = Dual Fuel Tanks {NQZ = 18 Gal Fuel Tank Delete}
- NQF = Transfer Case Electric Shift Cont, Two Speed, Alum
- NQG = Transfer Case Manual Shift Cont, Two Speed, Alum
- NQH = Transfer Case Active, Two Speed, Push Button Control, Alum
- PPV = Police Package (2WD)
- (PPV contains 6J1, 6J3, 6J4, 6J7, 7X6, 7X7, 9G8, JL0, TRW, WX7, & optionally 6A6)
- PTO = Provisions Power Take Off Controls
- R05 = Dual Rear Wheels
- SERIES10 = 10 Series (Pickup/Utility/UUV)
- SERIES20 = 20 Series (Pickup/Utility/UUV)
- SERIES30 = 30 Series (Pickup)
- SERIES31 = 31 Series (Cab Chassis)
- SPLSVRLS = Low Speed GMLAN Splice Saver
- T61 = Daytime Running Lamps
- T79 = Lamp Fog, Rr
- T96 = Lamp Fog, Frt
- TP2 = Auxiliary Battery
- TQ5 = Control Intelligent High Beam
- TR2 = Lamp Side Repeater (Export)
- TRW = Provisions - Roof Mount Emergency Lamp
- TZ0 = Transmission Manual 5 Speed, Tremec, 85 mm
- U01 = Lamp Five, Roof Marker, Truck
- U2K = Digital Audio System S-Band (SDARS)
- U3R = Radio AM/FM Stereo, WX, Seek/Scan, CD, DVD, Nav, Clock, DSP, RDS, w/Voice Rec Micro (Cadillac)
- U3U = Radio AM/FM Stereo, Seek/Scan, DVD, CD, Clock ETR, Navigation, Voice Rec, MP3 (Chevy/GMC)
- U42 = Entertainment System Rear Seat (DVD)
- U84 = Antenna Body Side Window, Radio
- UA6 = Theft Deterrent System (Export)
- UD7 = Sensor Indicator Rear Parking Assist (Ultrasonic)
- UE1 = OnStar Remote
- UG1 = Opener Garage Door, Universal
- UJ6 = Indicator Low Tire Press
- UK3 = Electronic System Steering Wheel Accessory Controls
- UK6 = Radio Control Rear Seat & Earphone Jacks (Only Available with UQA/UQS)
- UL5 = Radio Delete
- UQ3 = Uplevel Speaker Package
- UQ5 = Base Speaker Package
- UQA-Y91 = Premium Non-Luxury Speaker System (6-Channel Bose)
- UQA&Y91 = Premium Luxury Speaker System (9-Channel Bose)
- UQS = Premium Luxury Speaker System (9-Channel Bose with Surround)
- UVB = Radio AM/FM Stereo, Seek/Scan, Auto Tone, CD, CD-R MP3, DVD, Nav, Clock, ETR, RDS (Chevy/GMC Non-Luxury)
- UVC = Camera Rear View
- UY2 = Wiring Provisions Camper & 5th Wheel Trailer
- UY7 = Wiring Harness Truck Trailer, HD

•RPOs (continued)

- VYU = Provisions Snow Plow
- WX7 = Speaker Wiring Provision
- X88 = Chevrolet
- XA7 = Washer Nozzles, Heated, Windshield (WFHS)
- Y91 = Luxury Trim (Includes YE9)
- YE9 = Uplevel Trim
- (-YE9) = Base Trim
- YF2 = Sales Package Ambulance Upfitter (Generators, Lighting)
- Z49 = Export Canadian Modif Mandatory Base Equipment
- Z55 = Chassis Package Bi-State Real Time Damping
- Z75 = Cadillac
- Z82 = Trailer Provisions Special Equipment, H.D.
- Z88 = GMC

Power Distribution: Pickup – Fuse Block Underhood, View – Label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GAS / ESSENCE

MINI FUSES
MINI–FUSIBLES

1 – TRLR STOP RT (10A)
2 – EXH VLV (30A)
3 – ESC/ALC EXH (30A)
4 – TRLR STOP LT (10A)
5 – ENG (15A)
6 – ECM/THROT CONT (15A)
7 – ITBC (15A)
8 – FRT WASH (15A)
9 – 02–B SNSR (10A)
10 – ABS 2 (25A)
11 – TRLR BCK/UP (10A)
12 – LO HDLP–LT (20A)
13 – ECM–BATT (10A)
14 – INJ–B (20A)
15 – TCM–BATT (15A)
16 – VEH BCK/UP (10A)
17 – LO HDLP–RT (20A)
18 – A/C CMPRSR (10A)
19 – 02–A SNSR (10A)
20 – TRANS IGN 1 (15A)
21 – FUEL PUMP (20A)
22 – FSCM (20A)
23 – HDLP WASH (20A)
24 – REAR WASH (15A)
25 – INJ–A (20A)
26 – TRLR PRK (15A)
27 – LT PRK (15A)
28 – RT PRK (15A)
29 – FOG LAMP (15A)
30 – HORN (15A)
31 – HI HDLP–RT (10A)
32 – DRL (15A)
33 – HI HDLP–LT (10A)
34 – DRL 2 (15A)
35 – S/ROOF (30A)
36 – DLIS (2A)
37 – FRT WPR (25A)
38 – SEO B2 (30A)
39 – EAP (15A)
40 – HVAC BATT (10A)
41 – AIRBAG IGN (10A)
42 – AMP (30A)
43 – RDO (15A)
44 – MISC IGN (10A)
45 – L/GATE RELSE (15A)
46 – AIRBAG BATT (15A)
47 – INFOTMNT (15A)
48 – IPC (10A)
49 – EXP/PTO (15A)
50 – AUX HVAC–IGN (10A)
51 – CHMSL (15A)
52 – REAR DEFOG (30A)
53 – HTD MIR (15A)
54 – SEO B1 (15A)
55 – LTR (20A)
56 – SEO/ALC (10A)
57 – HVAC–IGN (10A)
58 – ECM–IGN (15A)

J–CASE FUSES
FUSIBLES JCASE

59 – FAN–1 (40A)
60 – ALC/COMP (40A)
61 – HEAVY DUTY ABS (60A)
62 – FAN–2 (40A)
63 – ABS–1 (40A)
64 – STRTR (40A)
65 – STUD–2 (30A)
66 – LBEC1 (60A)
67 – ELEC RUN BOARD (30A)
68 – WSW/HTR (60A)
69 – TREC (30A)
70 – STUD–1 (40A)
71 – MBEC1 (60A)
72 – HVAC BLWR (40A)
73 – LGM (30A)
74 – LBEC2 (60A)

TP

DIESEL

MINI FUSES
MINI–FUSIBLES

1 – FAN (10A)
2 – EXH VLV (30A)
3 – ESC/ALC EXH (30A)
4 – TRLR STOP LT (10A)
5 – ENG (15A)
6 – TRLR STOP RT (10A)
7 – FRT WASH (15A)
8 – FUEL HTR (15A)
9 – TCM–BATT (15A)
10 – ABS 2 (25A)
11 – TRLR BCK/UP (10A)
12 – LO HDLP–LT (20A)
13 – ECM–BATT (10A)
14 – DSL ECM (25A)
15 – TRNS IGN 1 (15A)
16 – VEH BCK/UP (10A)
17 – LO HDLP–RT (20A)
18 – A/C CMPRSR (10A)
19 – ECM/THROT CONT (15A)
20 – FUEL PUMP (20A)
21 – ITBC (15A)
22 – HDLP WASH (20A)
23 – REAR WASH (15A)
24 – TRLR PRK (15A)
25 – LT PRK (15A)
26 – RT PRK (15A)
27 – FOG LAMP (15A)
28 – HORN (15A)
29 – HI HDLP–RT (10A)
30 – DRL (15A)
31 – HI HDLP–LT (10A)
32 – DRL 2 (15A)
33 – S/ROOF (30A)
34 – DLIS (2A)
35 – WPR (25A)
36 – SEO B2 (30A)
37 – EAP (15A)
38 – HVAC BATT (10A)
39 – AIRBAG IGN (10A)
40 – AMP (30A)
41 – RDO (15A)
42 – MISC IGN (10A)
43 – L/GATE RELSE (15A)
44 – AIRBAG BATT (15A)
45 – INFOTMNT (15A)
46 – IPC (10A)
47 – EXP/PTO (15A)
48 – AUX HVAC–IGN (10A)
49 – CHMSL (15A)
50 – REAR DEFOG (30A)
51 – HTD MIR (15A)
52 – SEO B1 (15A)
53 – LTR (20A)
54 – SEO/ALC (10A)
55 – HVAC–IGN (10A)
56 – ECM–IGN (15A)

J–CASE FUSES
FUSIBLES JCASE

57 – ALC/COMP (40A)
58 – HEAVY DUTY ABS (60A)
59 – ABS–1 (40A)
60 – STRTR (40A)
61 – STUD–2 (30A)
62 – LBEC1 (60A)
63 – ELEC RUN BOARD (30A)
64 – WSW/HTR (60A)
65 – TREC (30A)
66 – STUD–1 (40A)
67 – MBEC1 (60A)
68 – HVAC BLWR (40A)
69 – LGM (30A)
70 – LBEC2 (60A)

TP

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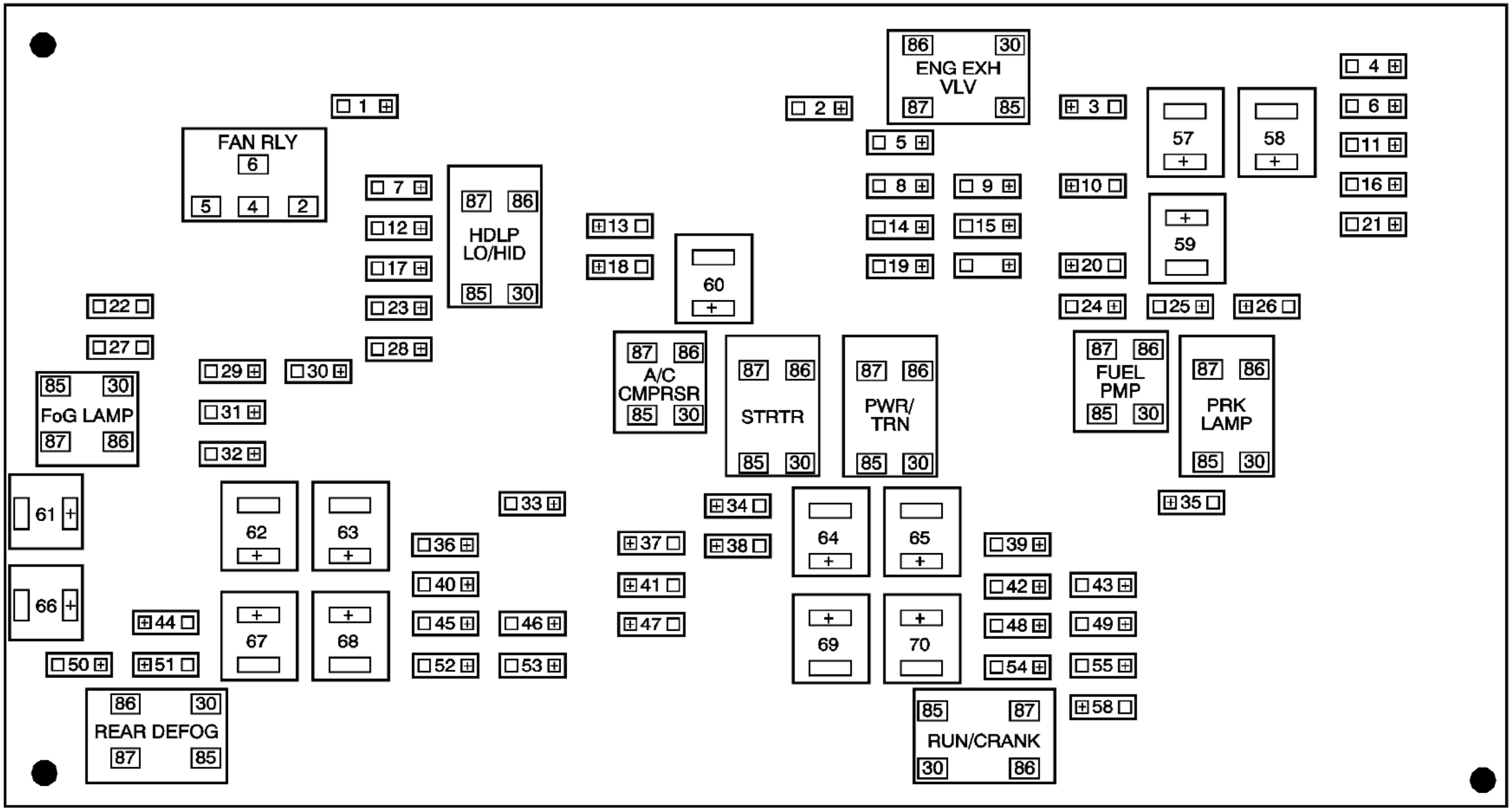
Power Distribution: Pickup – Fuse Block – Underhood, Top View – Diesel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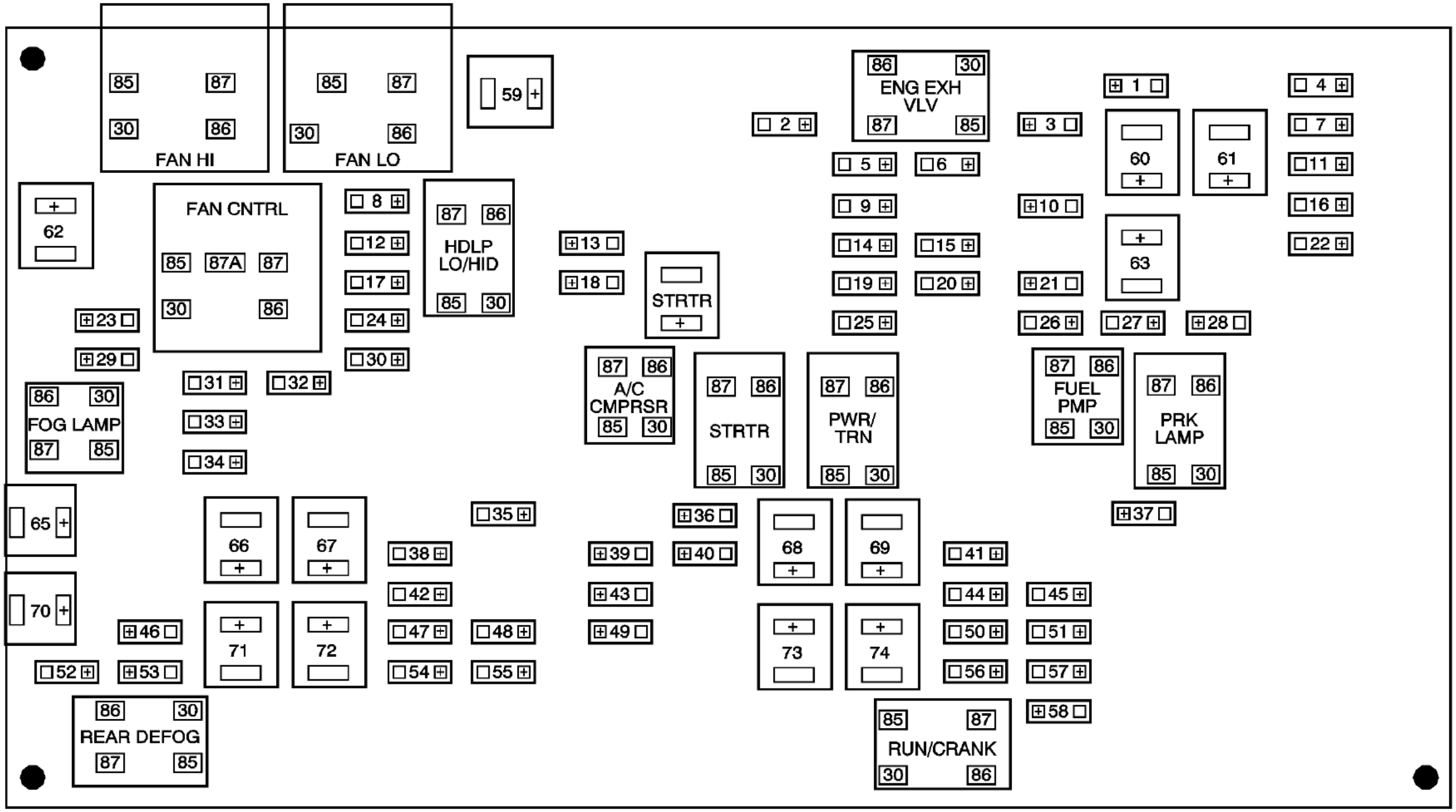
Power Distribution: Pickup – Fuse Block – Underhood, Top View – Gas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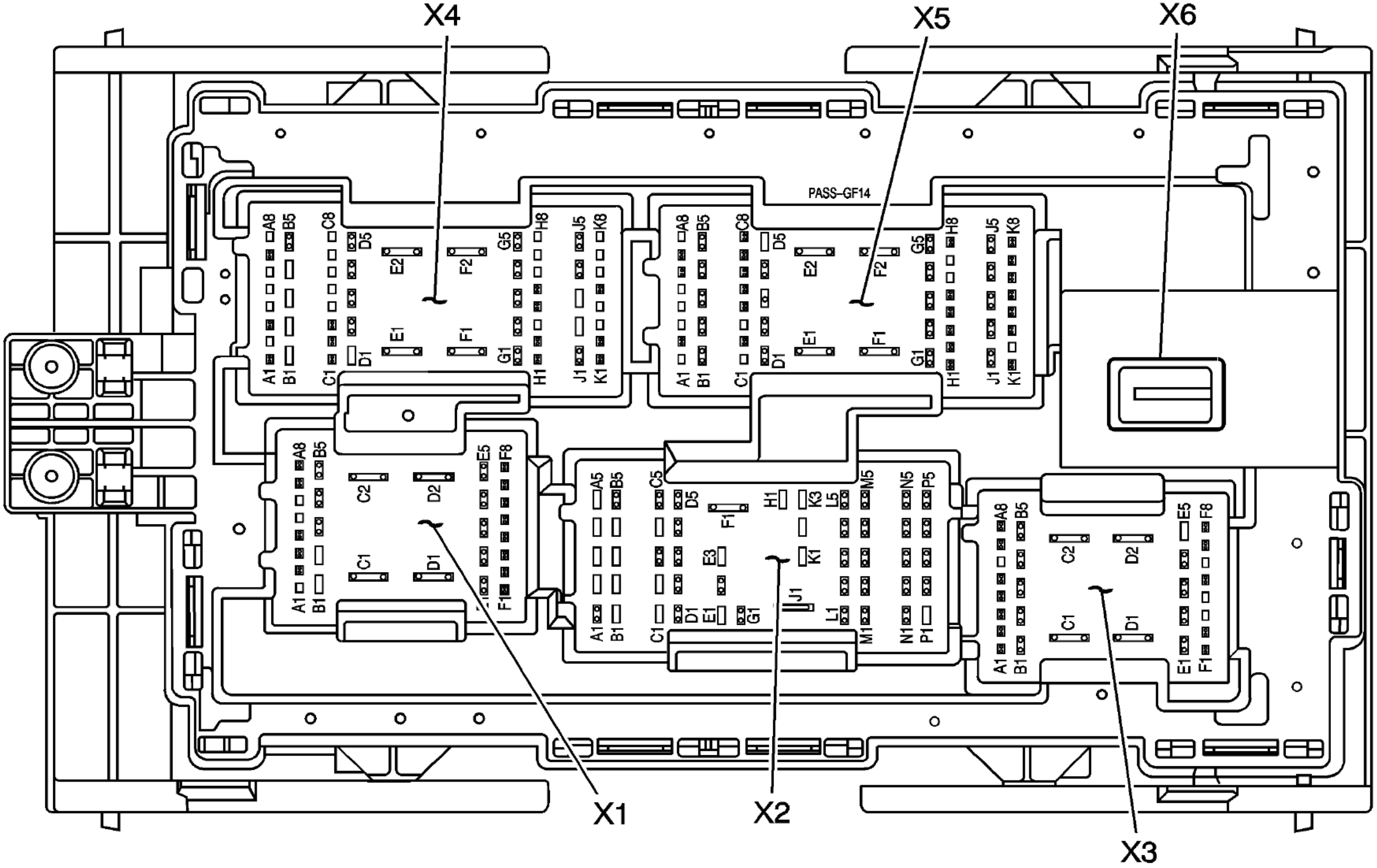
Power Distribution: Pickup – Fuse Block – Underhood, Bottom View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X3

Power Distribution: Pickup – Underhood, Device Usage – Diesel (cont'd)

Fuse Block – Underhood, Device Usage – Diesel

No.	Device	Rating	Description
1	FAN Fuse	10A	Fan Relay
2	EXH VLV Fuse	30A	Not Used
3	ESC/ALC EXH Fuse	30A	Not Used
4	TRLR STOP LT	10A	Trailer Wiring, Auxiliary Body Control
5	ENG Fuse	15A	Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
6	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (Expert)
7	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
8	Fuel HTR Fuse	15A	Glow Plug Control Module (GPCM), Fuel Heater
9	TCM-BATT Fuse	15A	Transmission Control Module (TCM)
10	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
11	TRLR BCK/UP Fuse	10A	Trailer Wiring
12	LO HDLP-LT Fuse	20A	Headlamp-Low Beam-Left
13	ECM-BATT Fuse	10A	Engine Control Module (ECM)
14	DSL ECM Fuse	25A	Engine Control Module (ECM)
15	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), Front Axle Actuator (NQF/NQG)
16	VEH BCK/UP Fuse	10A	Backup Lamp-Left, Backup Lamp-Right
17	LO HDLP-RT Fuse	20A	Headlamp-Low Beam-Right
18	A/C CMPRSR Fuse	10A	A/C Compressor Clutch
19	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM)
20	FUEL PUMP Fuse	20A	Fuel Pump and Sender Assembly-Primary
21	ITBC Fuse	15A	Integrated Trailer Brake Controller (ITBC) Module (JL1)
22	HDLP WASH Fuse	20A	Not Used

Fuse Block – Underhood, Device Usage – Diesel

No.	Device	Rating	Description
23	REAR WASH Fuse	15A	Not Used
24	TRLR PRK Fuse	15A	Trailer Wiring
25	LT PRK Fuse	15A	License Lamp-Left, Marker Lamp-LF (Z88), Park/Turn Signal Lamp-LF Upper, Park/Turn Signal Lamp-LF Lower, marker Lamp-LR (Z88), Tail/Stop and Turn Signal Lamp-Lower Left, Tail/Stop and Turn Signal Lamp-Upper Left, Clearance Lamp-LF (R05), Clearance Lamp-LR (R05), Clearance Lamp (U01), Roof Marker Lamp-Left (U01), Roof Marker Lamp-Right (U01)
26	RT PRK Fuse	15A	Marker Lamp-RF (Z88), Park/Turn Signal Lamp-RF Upper, Park/Turn Signal Lamp-RF Lower, Tail/Stop and Turn Signal Lamp-Lower Right, Tail/Stop and Turn Signal Lamp-Lower Right, Marker Lamp-RR (Z88), License Lamp-Right Clearance lamp-RR (R05), Marker Lamp-Tailgate
27	FOG LAMP Fuse	15A	Fog Lamp-LF (T96), Fog Lamp-LF (T96)
28	HORN Fuse	15A	Horn, left, Horn-Right (7Z1)
29	HI HEADLAMP-RT Fuse	10A	Headlamp-High Beam-Right
30	DRL Fuse	15A	DRL 2 Fuse
31	HI HEADLAMP-LT Fuse	10A	Headlamp-High Beam-Right
32	DRL 2 Fuse	15A	LO HDLP-LT Fuse, LO HDLP-RT Fuse
33	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
34	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)
35	WPR Fuse	25A	Wiper 1 PCB Relay
36	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)

Power Distribution: Pickup – Underhood, Device Usage – Diesel (cont'd)

Fuse Block – Underhood, Device Usage – Diesel

No.	Device	Rating	Description
37	EAP Fuse	15A	PARK ENABLE Relay, ELECTRONIC ADJUSTABLE PEDALS Relay, I/P Multi-function Accessory Switch
38	HVAC BATT Fuse	10A	HVAC Control Module
39	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Passenger Air Bag ON/OFF Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
40	AMP Fuse	30A	Audio Amplifier (UQA)
41	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Controller (UK6)
42	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (Export), Stop Lamp Switch, Transfer Case Shift Control Module (NQF/NQH), Integrated Trailer Brake Controller (ITBC) Module (JL1)
43	L/GATE RELSE Fuse	15A	Not Used
44	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
45	INFOTMNT Fuse	15A	Video Display (U42), Rear Video Display (DNU), Vehicle Communication Interface Module (VCIM) (UE1)
46	IPC Fuse	10A	Body Control Module (BCM), Instrument Panel Cluster (IPC)
47	EXP/PTO Fuse	15A	Auxiliary Body Control Module (XBCM) (Export)/Power Take Off Relay (PTO)
48	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module (KA9)
49	CHMSL Fuse	15A	Cargo Lamp/Center High Mounted Stop Lamp (CHMSL)

Fuse Block – Underhood, Device Usage – Diesel

No.	Device	Rating	Description
50	REAR DEFOG Fuse	30A	Defogger Grid
51	HTD MIR Fuse	15A	Outside Rearview Mirror-Driver (-AN3), Outside Rearview Mirror-Passenger (-AN3)
52	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (Export), Power Take Off-(PTO) Module
53	LTR Fuse	20A	Auxiliary Power Outlet-Front 1, Data Link Connector (DLC)
54	SEO/ALC Fuse	10A	Not Used
55	HVAC-IGN Fuse	10A	Air Temperature Actuator-Left (CJ2), Air Temperature Actuator-Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2/C67)
56	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay-Secondary (LY6-NQZ), Fuel System Control Module (FSCM)
57	ALC/COMP Fuse	40A	Not Used
58	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
60	STRTR Fuse	40A	Starter
61	STUD-2 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Controller Solid State Relay (JL1)
62	LBECI Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse
63	ELEC RUN BOARD Fuse	30A	Not Used
64	WSW/HTR Fuse	60A	Windshield Washer Solvent Heater (XA7)
65	TREC Fuse	30A	Transfer Case Shfit Control Module (NQF/NQH)
66	Stud-1 Fuse	40A	Trailer Wiring
67	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASSENGER SEAT 1 Circuit Breaker

Power Distribution: Pickup – Underhood, Device Usage – Diesel (cont'd)

Fuse Block – Underhood, Device Usage – Diesel			
No.	**Device**	**Rating**	**Description**
68	HVAC BLWR Fuse	40A	Blower Motor Control Module
69	LGM Fuse	30A	Not Used
70	LBEC2 Fuse	60A	BCM Fuse, COOLED SEATS Fuse, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse
--	A/C COMPRSR Relay	--	A/C CMPRSR Fuse
--	ENG EXH VLV Relay	--	AXH VLV Fuse
--	FAN RLY Relay	--	Cooling Fan
--	FOG LAMP Relay	--	FOG LAMP Fuse
--	FUEL PUMP Relay	--	FUEL PUMP Fuse
--	HDLP LO/HID Relay	--	LO HDLP-LT Fuse,LO HDLP-RT Fuse, DRL 2 Fuse
--	PARK LAMP Relay	--	LT PRK Fuse, PRK Fuse, TRLR PRK Fuse
--	PWR/TRN Relay	--	DSL ECM Fuse, ECM/THROT Fuse, ENG Fuse, Fan Fuse, FUEL HTR Fuse
--	REAR DEFOG Relay	--	REAR DEFOG Fuse
--	RUN/CRNK Relay	--	AIRBAG Fuse, AUX HVAC-IGN Fuse, IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
--	STRTR Relay	--	STRTR Fuse
Note: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.			
--	BCK/UP LAMP PCB Relay	--	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
--	DRL PCB Relay	--	DRL Fuse
--	FRT WASH PCB Relay	--	FRT WASH Fuse

Fuse Block – Underhood, Device Usage – Diesel			
No.	**Device**	**Rating**	**Description**
--	HI BEAM PCB Relay	--	HI HEADLAMP-LT Fuse, HI HEADLAMP-RT Fuse
--	HORN PCB Relay	--	HORN Fuse
--	L/GATE PCB Relay	--	L/GATE RELSE Fuse
--	LOCK PCB Relay	--	LCK 2 Fuse (YE9)
--	LOCK/UNLOCK PCB Relay	--	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3-YE9)
--	REAR WASH PCB Relay	--	REAR WASH Fuse
--	TRLR STOP LT PCB Relay	--	TRLR STOP LT Fuse
--	TRLR STOP RT PCB Relay	--	TRLR STOP RT Fuse
--	UNLOCK PCB Relay	--	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
--	WIPER CONTROL PCB Relay	--	Windshield Wiper Motor
--	WIPER SPEED PCB Relay	--	Windshield Wiper Motor

Power Distribution: Pickup – Underhood, Device Usage – Gas

Fuse Block – Underhood, Device Usage – Gas

No.	Device	Rating	Description
1	TRLR STOP RT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (Export)
2	EXH VLV Fuse	30A	Not Used
3	ESC/ALC EXH Fuse	30A	Not Used
4	TRLR STOP LT Fuse	10A	Trailer Wiring, Auxiliary Body Control Module (XBCM) (Export)
5	ENG Fuse	15A	Central Sequential Fuel Injection (Central SFI) (4.3L), Evaporative Emissions (EVAP) Cannister Purge Solenoid Valve (4.8L, 5.3L, 6.0L and 6.2L), Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor, Valve Lifter Oil Manifold (VLOM) Assembly
6	ECM/THROT CONT Fuse	15A	Engine Control Module (ECM)
7	ITBC Fuse	15A	Integrated Trailer Brake Controller (ITBC) Module (JL1)
8	FRT WASH Fuse	15A	Windshield Washer Fluid Pump
9	02-B SNSR Fuse	10A	Heated Oxygen Sensor (H02S) Bank 1 Sensor2, Heated Oxygen Sensor (H02S) Bank 2 Sensor 2
10	ABS 2 Fuse	25A	Electronic Brake Control Module (EBCM)
11	TRLR BCK/UP Fuse	10A	Trailer Wiring
12	LO HDLP-LT Fuse	20A	Headlamp-Low Beam-Left
13	ECM-BATT Fuse	10A	Engine Control Module (ECM)
14	INJ-B Fuse	20A	Fuel Injector2, Fuel Injector 4, Fuel Injector 6, Fuel Injector 8, Injector Coil 2, Ignition Coil 4, Ignition Coil 6, Ignition Coil 8
15	TCM-BATT Fuse	15A	Transmission Control Module (TCM)
16	DSL ECM Fuse	25A	Engine Control Module (ECM)
17	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), Front Axle Actuator (NQF/NQG)
18	VEH BACK/UP Fuse	10A	Backup Lamp-Left, Backup Lamp-Right
19	LO HDLP-RT Fuse	20A	Headlamp-Low Beam-Right
20	A/C CMPRSR Fuse	10A	A/C Compressor Clutch
21	02-A SNSR Fuse	10A	Heated Oxygen Sensor (H02S) Bank 1 Sensor 1, Heated Oxygen Sensor (H02S) Bank 2 Sensor 1
22	TRANS IGN 1 Fuse	15A	Transmission Control Module (TCM), 1-2 Shift Solenoid (1-2 SS) Valve, 2-3 Shift Solenoid (2-3 SS) Valve, 3-2 Shift Solenoid (3-2 SS) Valve (M30/M70), Torque Converter Clutch (TCC) Solenoid Valve (M30/M70), Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve
23	FUEL PUMP Fuse	20A	Fuel Pump and Sender Assembly-Primary (-FSCM)
24	FSCM Fuse	20A	Fuel System Control Module (FSCM)
25	HDLP WASH Fuse	20A	Not Used
26	REAR WASH Fuse	15A	Not Used
27	INJ-A Fuse	20A	Fuel Injector 1, Fuel Injector 3, Fuel Injector 5, Fuel Injector 7, Ignition Coil 1, Ignition Coil 3, Ignition Coil 5, Ignition Coil 7
28	TRLR PRK Fuse	15A	Trailer Wiring
29	LT PRK Fuse	15A	License Lamp-Left, Marker Lamp-LF (Z-88), Park/Turn Signal Lamp-LF Upper, Park/Turn Signal Lamp-LF Lower, Marker Lamp-LR (Z88), Tail/Stop and Turn Signal Lamp-Lower Left, Tail/Stop and Turn Signal Lamp-Upper Left, Clearance Lamp-LF (R05), Clearance Lamp-LR (R05), Clearance Lamp (U01), Roof Marker Lamp-Left (U01), Roof Marker Lamp-Right (U01)

Power Distribution: Pickup – Underhood, Device Usage – Gas (cont'd)

Fuse Block – Underhood, Device Usage – Gas

No.	Device	Rating	Description
30	RT PRK Fuse	15A	Marker Lamp-RF (Z88), Park/Turn Signal Lamp-RF Upper Park/Turn Signal Lamp-RF Lower Tail/Stop and Turn Signal Lamp-Lower Right, Tail/Stop and Turn Signal Lamp-Lower Right, Marker Lamp-RR (Z88), License Lamp-Right Clearance Lamp-RF (R05), Clearance Lamp-RR (R05), Marker Lamp-Tailgate
31	FOG LAMP Fuse	15A	Fog Lamp-LF (T-96), Fog Lamp- LF (T96)
32	HORN Fuse	15A	Horn-Left, Horn-Right (7Z1)
33	HI HEADLAMP-RT Fuse	10A	Headlamp-High Beam-Right
34	DRL Fuse	15A	DRL 2 Fuse
35	HI HEADLAMP-LT Fuse	10A	Headlamp-High Beam-Right
36	DRL 2 Fuse	15A	LO HDLP-LT Fuse, LO HDLP-RT Fuse
37	S/ROOF Fuse	30A	Sunroof Module (CF5), Roof Beacon Relay (TRW)
38	DLIS Fuse	2A	Ignition Switch, Theft Deterrent Module (TDM)
39	FRT WPR Fuse	25A	Wiper 1 PCV Relay
40	SEO B2 Fuse	30A	Emergency Vehicle Roof Lamp Relay (5Y0)
41	EAP Fuse	15A	PARK ENABLE Relay, ELECTRONIC ADUSTABLE PEDALS Relay, I/P Multifunction Accessory Switch
42	HVAC BATT Fuse	10A	HVAC Control Module
43	AIRBAG IGN Fuse	10A	Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Passenger Air Bag ON/OFF Indicator, Inflatable Restraint I/P Module Disable Switch (C99)
44	AMP Fuse	30A	Audio Amplifier (UQA)

Fuse Block – Underhood, Device Usage – Gas

No.	Device	Rating	Description
45	RDO Fuse	15A	Digital Radio Receiver (U2K), Radio, Rear Seat Audio (RSA) Controller (UK6)
46	MISC IGN Fuse	10A	Auxiliary Body Control Module (XBCM) (Export), Stop Lamp Switch, Transfer Case Shift Control Module (NQF/NQH), Integrated Trailer Brake Controller (ITBC) Module (JL1)
47	L/GATE RELSE Fuse	15A	Not Used
48	AIRBAG BATT Fuse	15A	Inflatable Restraint Passenger Presence System (PPS) Module, Inflatable Restraint Sensing and Diagnostic Module (SDM), Inflatable Restraint Vehicle Rollover Sensor (ASF)
49	INFOTMNT Fuse	15A	Video Display (U42), Rear Video Display (DNU), Vehicle Communication Interface Module (VCIM) (UE1)
50	IPC Fuse	15A	Auxiliary Body Control Module (XBCM) (Export) Power Take off Relay (PTO)
51	EXP/PTO Fuse	20A	Fuel System Control Module (FSCM)
52	AUX HVAC-IGN Fuse	10A	Instrument Panel Cluster (IPC), Inside Rearview Mirror (ISRVM), Heated Steering Wheel Module (KA9)
53	CHMSL Fuse	15A	Cargo Lamp/Center High Mounted Stop Lamp (CHMSL)
54	REAR DEFOG Fuse	30A	Defogger Grid
55	HTD MIR Fuse	15A	Outside Rearview Mirror-Driver (-AN3), Outside Rearview Mirror-Passenger (-AN3)
56	SEO B1 Fuse	15A	Auxiliary Body Control Module (XBCM) (Export), Power Take Off-(PTO) Module
57	LTR Fuse	20A	Auxiliary Power Outlet-Front 1, DataLink Connector (DLC)
58	SEO/ALC Fuse	10A	Not Used

Power Distribution: Pickup – Underhood, Device Usage – Gas (cont'd)

Fuse Block – Underhood, Device Usage – Gas

No.	Device	Rating	Description
59	HAVAC-IGN Fuse	10A	Air Temperature Actuator-Left (CJ2), Air Temperature Actuator-Right (CJ2), Air Temperature Actuator (C67), Mode Actuator, Recirculation Actuator (CJ2/C67)
60	ECM-IGN Fuse	15A	Engine Control Module (ECM), Fuel Pump Relay-Secondary (LY6-NQZ), Fuel System Control Module (FSCM)
61	FAN-1 Fuse	40A	FAN LO Relay
62	ALC/COMP Fuse	40A	Not Used
63	HEAVY DUTY ABS Fuse	60A	Electronic Brake Control Module (EBCM)
64	FAN-2 Fuse	40A	FAN HI Relay
65	ABS-1 Fuse	40A	Electronic Brake Control Module (ECBM)
66	STRTR Fuse	40A	Starter
67	STUD-1 Fuse	30A	Blunt Cut Wire, Integrated Trailer Brake Controller Solid State Relay (JL1)
68	LBEC1 Fuse	60A	AUX PWR 2 Fuse, REAR WPR Fuse, PDM Fuse, AUX PWR Fuse
69	ELEC RUN BOARD Fuse	30A	Not Used
70	WSW/HTR Fuse	60A	Windshield Washer Solvent Heater (XA7)
71	TREC Fuse	30A	Transfer Case Shift Control Module (NOF/NQH)
72	STUD-1 Fuse	40A	Trailer Wiring
73	MBEC1 Fuse	60A	DRIVER SEAT 2 Circuit Breaker, PASSENGER SEAT 1 Circuit Breaker, PWR REAR WNDW Circuit Breaker
74	HVAC BLWR Fuse	40A	Blower Motor Control Module
75	LGM Fuse	30A	Not Used

Fuse Block – Underhood, Device Usage – Gas

No.	Device	Rating	Description
76	LBEC2 Fuse	60A	BCM Fuse, COOLED SEATS Fues, DDM Fuse, DIM Fuse, DSM Fuse, REAR HVAC Fuse, RT STOP TRN Fuse, WSW PUMP Fuse
--	A/C COMPRSR Relay	--	A/C COMPRSR Fuse
--	ENG EXH VLV Relay	--	AXH VLV Fuse
--	FAN CONTROL Relay	--	Cooling Fan Control
--	FAN HI Relay	--	Cooling Fan-Right
--	FAN LO Relay	--	Cooling Fan-Left
--	FOG LAMP Relay	--	FOG LAMP Fuse
--	FUEL PMP Relay	--	FUEL PUMP Fuse
--	HDLP LO/HID Relay	--	LO HDLP-LT Fuse, LO HDLP-RT Fuse, DRL 2 Fuse
--	PRK LAMP Relay	--	LT PRK Fuse, RT PRK Fuse, TRLR PRK Fuse
--	PWR/TRN Relay	--	ECM/THROT CONT Fuse, ENG Fuse, INJ-A Fuse, INJ-B Fuse, 01-A SNSR Fuse, O2-B SNSR Fuse, FAN CNTRL PCB Relay, FAN HI PCB Relay, FAN LO PCB Relay
--	REAR DEFOG Relay	--	REAR DEFOG Fuse
--	RUN/CRNK Relay	--	AIRBAG Fuse, AUX HVAC-IGN Fuse, IGN Fuse, ECM-IGN Fuse, MISC IGN Fuse, SEO/ALC Fuse, TRANS IGN 1 Fuse
--	STRTR Relay	--	Starter Fuse

Power Distribution: Pickup – Underhood, Device Usage – Gas (cont'd)

Fuse Block – Underhood, Device Usage – Gas

Note: Relays listed below are non-serviceable Printed Circuit Board (PCB) relays and are internal to the block.

No.	Device	Rating	Description
--	BCK/UP LAMP PCB Relay	--	VEH BCK/UP Fuse, TRLR BCK/UP Fuse
--	DRL PCB Relay	--	DRL Fuse
--	FRT WASH PCB Relay	--	FRT WASH Fuse
--	HI BEAM PCB Relay	--	HI HEADLAMP-LT Fuse, HI HEADLAMP-RT Fuse
--	HORN PCB Relay	--	HORN Fuse
--	L/GATE PCB Relay	--	L/GATE RELSE Fuse
--	LOCK PCB Relay	--	LCK 2 Fuse (YE9)
--	LOCK/UNLOCK PCB Relay	--	LCK 1 Fuse, LCK 2 Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse (AU3-YE9)
--	REAR WASH PCB Relay	--	REAR WASH Fuse
--	TRLR STOP LT PCB Relay	--	TRLR STOP LT Fuse
--	TRLR STOP RT PCB Relay	--	TRLR STOP RT Fuse
--	UNLOCK PCB Relay	--	DRV UNLCK Fuse, UNLCK 1 Fuse, UNLCK 2 Fuse
--	WIPER CONTROL PCB Relay	--	Windshield Wiper Motor
--	WIPER SPEED PCB Relay	--	Windshield Wiper Motor

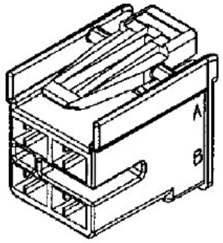
Power Distribution: Pickup – Junction Block-Left I/P-X5 – Mating Connector

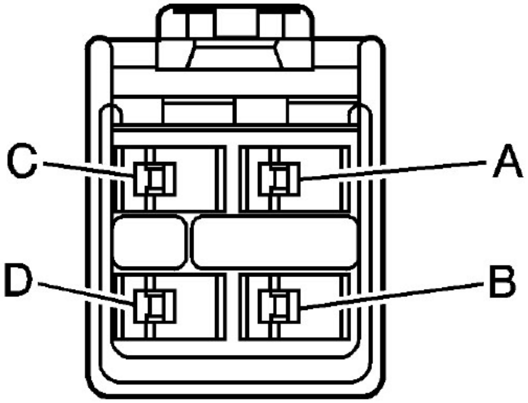
Mating Connector Part Information

- Connector: 4-Way F Metri-Pack 280 Series (CRM)
- OEM: 12194033
- Color: **CRM**

Junction Block - Left I/P – X5			
Pin	**Wire Color**	**Circuit No.**	**Function**
A	D-GN/WH	817	Vehicle Speed Signal 4KPPM
B	--	--	Not used
C	D-GN	5060	Low Speed GMLAN Serial Data
D	RD/BK	4550	15A BATT

Note: Keying for Connector 12194033 is shown in part drawing as type 103





12194033

Power Distribution: Pickup – Junction Block-Left I/P

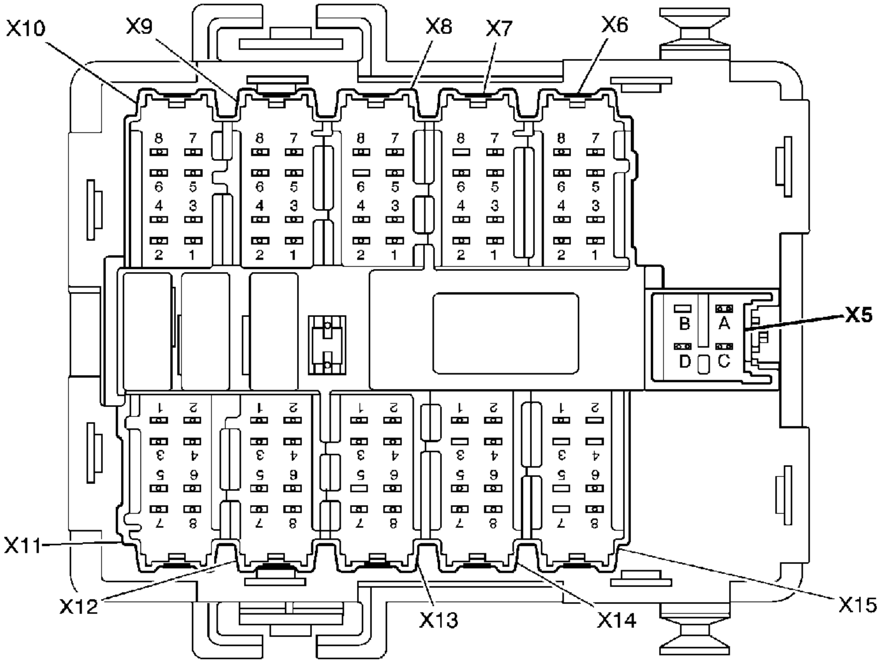
Circuit Breakers

CB1 = RT DOORS . . . . (25A)
CB2 = PASS SEAT 1 . . . . (25A)
CB3 = DRIVER SEAT 2 . . . . (25A)
CB4 = PWR REAR WNDW . . . . (25A)

Junction Block - Left I/P, Device Usage

Device	Rating	Description
DRIVER SEAT 2 Circuit Breaker	25A	Memory Seat Module (AN3), Seat Adjuster Switch-Driver (AG1 Except AN3)
PASS SEAT 1 Circuit Breaker	25A	Seat Adjuster Switch-Passenger, Seat Lumbar Switch-Passenger (AN3)
PWR REAT WDW Circuit Breaker	25A	Not Used
RT DOORS Circuit Breaker	25A	Passenger Door Module (PDM), Window Switch-RR

Junction Block-Left I/P, Top View



Power Distribution: Pickup – Junction Block-Left I/P-X1

Junction Block - Left I/P - X1 Connector Part Information

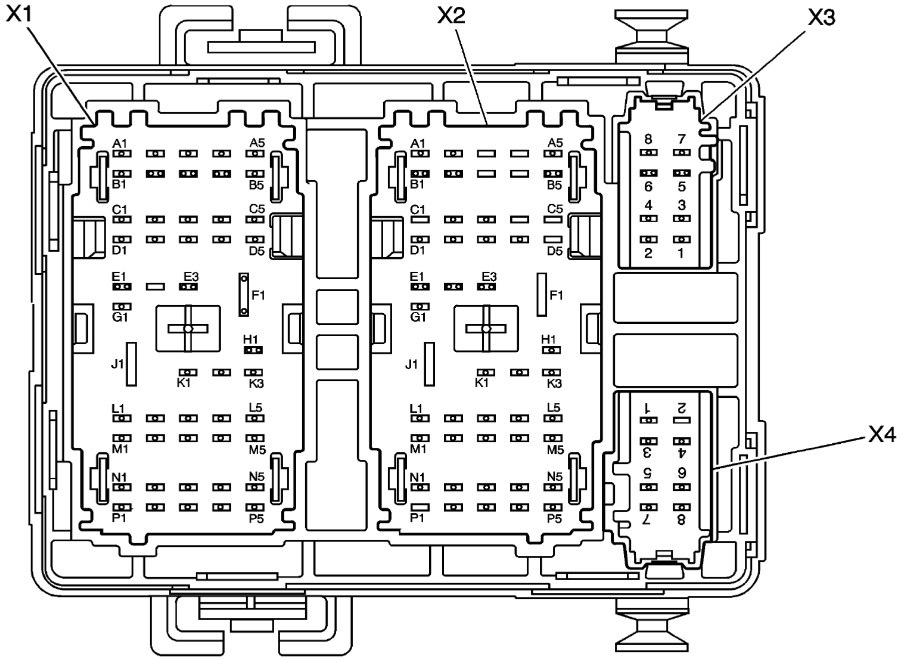
- OEM: 15467568
- Service: 19115661
- Description: 50-way F GT 280 Series (GY)

Junction Block - Left I/P, X1

Pin	Wire Color	Circuit No.	Function
A1	0.5 RD/WH	4440	Battery Positive Voltage
A2	--	--	Not Used
A3	0.35 PK	239	Ignition 1 Voltage
	0.35 PK	239	Ignition 1 Voltage (NQF/NQH)
A4	0.35 PK	239	Ignition 1 Voltage
	0.8 PK	239	Ignition 1 Voltage (PTO/EXPORT)
A5	BK	2550	Ground (U42/UK6)
B1-B2	--	--	Not Used
B3	1 BK	2550	Ground
B4	0.5 GY	157	Courtesy Lamp Control
B5	--	--	Not Used
C1	0.35 PK	1639	Ignition 1 Voltage
C2	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3)
C3	0.5 BK	2250	Ground (U2K + Y91)
	0.5 BK	2250	Ground (UE1 + Y91)
C4	--	--	Not Used

(continuted on Pg. B-19)

Junction Block-Left I/P, Bottom View



Junction X1-Terminal Parts Information

- **Pins: F1**
- Terminal/Tray: 12110127/19
- Core/Insulation Crimp: F/G
- Release Tool/Test Probe: 12150860/J-35616-44 (YE)

- **Pins: D1, K2**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: 4/4
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A1, A3, A4, B4, C1, C2, D3, E1, E3, H1, K1, L1, L2, L3, L4, M1, M2, M3, M4, M5, N1, N2, N3, N5, P1, P2, P3, P5**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: B3, E3, G1, K3**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Power Distribution: Pickup – Junction Block-Left I/P-Connector X1 (cont'd)

Junction Block - Left I/P - X1 *(continted from Pg. B-18)*

Junction Block - Left I/P, X1

Pin	Wire Color	Circuit No.	Function
C5	0.5 YE/BK	5813	Park Enable Supply Voltage (JF4 -AN3)
D1	2 RD/WH	1340	Battery Positive Voltage (A31)
D2	--	--	Not Used
D3	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3 -AN3)
	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (CF5)
D4-D5	--	--	Not Used
E1	0.5 BK/WH	1851	Ground (XA7)
E2	--	--	Not Used
E3	0.8 BK/WH	1851	Ground
	0.5 BK/WH	1851	Ground (C42/C67/CJ2)
F1	5 RD/BK	642	Battery Positive Voltage
G1	0.8 BK/WH	1851	Ground
	0.8 BK/WH	1851	Ground
H1	0.5 BK/WH	1851	Ground
	0.5 BK/WH	1851	Ground
J1	--	--	Not Used
K1	0.5 BK/WH	1851	Ground
	0.35 BK/WH	1851	Ground (C42/C67/CJ2)
K2	2 BK/WH	1851	Ground
K3	0.8 BK/WH	1851	Ground
	0.8 BK/WH	1851	Ground
L1	0.5 OG	6815	Inadvertent Power Control

Junction Block - Left I/P, X1

Pin	Wire Color	Circuit No.	Function
L2	0.5 RD/WH	240	Battery Positive Voltage (UGI / 5X7 / 5Y0 / TRW)
L3	0.35 PU/WH	6816	Indicator Dimming Control
L4	0.35 WH/BK	5515	Inside Air Temperature Sensor Assembly Control (CJ2)
L5	--	--	Not Used
M1	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control
	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (NQF/NQH)
M2	0.35 PK	1691	Low Reference (DF5 +DL3/DR4)
M3	0.35 PU/WH	6816	Indicator Dimming Control (UD7/XA7)
M4	0.35 D-GN	734	Inside Air Temperature Sensor Signal (CJ2)
M5	0.5 OG	1054	Stop Lamp Supply Voltage (Domestic)
	0.5 OG	1054	Stop Lamp Supply Voltage (Domestic)
	0.5 L-BN	1320	Stop Lamp Supply Voltage (Export)
N1	0.35 D-GN/WH	636	Ambient Air Temperature Sensor Signal (DF5)
N2	0.35 YE	61	Low Reference (DF5)
N3	0.35 PU/WH	6816	Indicator Dimming Control (PTO)
N4	--	--	Not Used
N5	0.35 PK	1139	Ignition 1 Voltage
	0.35 PK	1139	Ignition 1 Voltage (C99)

(continted on Pg. B-20)

Power Distribution: Pickup – Junction Block-Left I/P-Connector X1 (cont'd) & X2

Junction Block - Left I/P - X1 *(continuted from Pg. B-19)*

Junction Block - Left I/P, X1			
Pin	**Wire Color**	**Circuit No.**	**Function**
P1	0.35 D-BU	38	Backup Lamp Relay Control
	0.35 D-BU	38	Backup Lamp Relay Control (DF5)
P2	0.35 GY	1690	Automatic Day/Night Mirror Signal (DF5 +DL3/DR4)
P3	0.35 PU/WH	6816	Indicator Dimming Control (NQF/NQH)
P4	--	--	Not Used
P5	0.35 D-GN	6101	Low Reference

Junction Block - Left I/P - X2 Connector Part Information

- OEM: 15467567
- Service: 19149284
- Description: 50-way F GT 280 Series (BK)

Terminal Part Information

- **Pins: A1, A2, B5, C1, C3, E1, E2, E3, G1,H1,K2, K3, L3, L4, L5, M3, M5, N1, N3, N4, N5, P1, P3, P5**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A5, D3**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: B1, P4**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: D1**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: 4/4
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X2			
Pin	**Wire Color**	**Circuit No.**	**Function**
A1	0.35 PK	739	Ignition 1 Voltage
A2	0.35 YE	43	Accessory Voltage
	0.35 YE	43	Accessory Voltage
A3-A4	--	--	Not Used
A5	0.8 RD/WH	1040	Battery Positive Voltage (D07-Y91)
B1	0.5 RD/WH	242	Battery Positive Voltage (5Y0)
B3-B4	--	--	Not Used
B5	0.5 RD/WH	3240	Battery Positive Voltage (-Y91 +UE1 +U42)
C1	0.5 YE/BK	5813	Park Enable Supply Voltage (JF4)
C2	3 BK	2550	Ground (Y91)
C3	0.5 RD/BK	340	Battery Positive Voltage
C4-C5	--	--	Not Used
D1	2 BK	1050	Ground (JF4 -AN3)
D2	--	--	Not Used
D3	0.8 RD/BK	4540	Battery Positive Voltage
	0.8 RD/BK	4540	Battery Positive Voltage (PTO/EXPORT)
D4-D5	--	--	Not Used
E1	0.5 OG/BK	5285	Adjustable Pedals Relay Rearward Control (JF4)
E2	0.5 RD/WH	740	Battery Positive Voltage (JF4)
E3	0.35 YE	6812	Out of Park Signal (JF4 -AN3)
G1	0.5 PU	5286	Adjustable Pedals Relay Forward Control (JF4)

(continuted on Pg. B-21)

Power Distribution: Pickup – Junction Block-Left I/P-Connector X2 (cont'd) & X3

Junction Block - Left I/P - X2 *(continued from Pg. B-20)*

Junction Block - Left I/P, X2			
Pin	**Wire Color**	**Circuit No.**	**Function**
H1	0.35 D-GN/WH	817	Vehicle Speed Signal
	0.5 D-GN/WH	817	Vehicle Speed Signal (Y91)
K1	--	--	Not Used
K2	0.35 YE	6817	LED Backlight Dimming Control
K3	0.35 D-GN	5060	Low Speed GMLAN Serial Data
L1-L2	--	--	Not Used
L3	0.35 YE	6817	LED Backlight Dimming Control (UK3)
L4	0.35 YE	6817	LED Backlight Dimming Control
L5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+
	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+
M1-M2	--	--	Not Used
M3	0.35 YE	6817	LED Backlight Dimming Control
	0.35 YE	6817	LED Backlight Dimming Control (C67/C42)
M4	--	--	Not Used
M5	0.5 TN	2501	High Speed GMLAN Serial Data Bus-
	0.5 TN	2501	High Speed GMLAN Serial Data Bus-
N1	0.35 D-BU	2307	Passenger Air Bag On Indicator Control
N2	--	--	Not Used
N3	0.35 YE	6817	LED Backlight Dimming Control (JL1)
	0.35 YE	6817	LED Backlight Dimming Control (PTO)
N4	0.35 YE	6817	LED Backlight Dimming Control
	0.35 YE	6817	LED Backlight Dimming Control (K34/KA9/UK3)

Junction Block - Left I/P, X2			
Pin	**Wire Color**	**Circuit No.**	**Function**
N5	0.35 TN	2501	High Speed GMLAN Serial Data Bus-
N5	0.35 TN	2501	High Speed GMLAN Serial Data Bus-
P1	0.35 PU	5234	Passenger Seat Belt Indicator
P2	--	--	Not Used
P3	0.35 D-GN	2308	Passenger Air Bag Off Indicator Control
P4	3 RD/WH	3740	Battery Positive Voltage (UQA-Y91)
P5	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+

Junction Block - Left I/P - X3
Connector Part Information

- OEM: 13516840
- Service: 19149295
- Description: 8-way F GT 280 Series (GN)

Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X3			
Pin	**Wire Color**	**Circuit No.**	**Function**
1	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+
2	0.8 BK	1050	Ground (D07 +YE9 +AN3)
3	0.5 TN	2501	High Speed GMLAN Serial Data Bus-
4	--	--	Not Used
5	0.5 TN	2501	High Speed GMLAN Serial Data Bus-
6	3 RD/WH	3740	Battery Positive Voltage (UQA -Y91)
7	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+
8	--	--	Not Used

Power Distribution: Pickup – Junction Block-Left I/P-Connector X4 & X5 (SPO Alarm)

Junction Block - Left I/P - X4 Connector Part Information

- OEM: 13516829
- Service: 19115667
- Description: 8-way F GT 280 Series (OG)

Terminal Part Information

- **Pins: 4**
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 1, 2, 5, 6, 7**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 3, 8**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X4

Pin	Wire Color	Circuit No.	Function
1	0.35 D-GN	5600	Low Speed GMLAN Serial Data (-Y91)
2	0.5 RD/WH	340	Battery Positive Voltage (-Y91)
	0.5 RD/WH	340	Battery Positive Voltage (UK6)
3	0.8 D-GN/WH	817	Vehicle Speed Signal
4	3 BK	2550	Ground (-Y91)
5	0.5 BK	2550	Ground (UE1-Y91)
	0.5 BK	2550	Ground (U2K-Y91)
6	0.5 RD/WH	3240	Battery Positive Voltage (UE1)
	0.5 RD/WH	3240	Battery Positive Voltage (U42)
7	0.5 BK	2550	Ground (U42/Y91)
	0.5 BK	2550	Ground (U42/UK6-Y91)
8	0.8 RD/WH	1040	Battery Positive Voltage (D07-Y91)

Junction Block - Left I/P - X5 SPO Alarm Connector Part Information

- OEM: 12194033
- Service: See Catalog
- Description: 4-way F Metri-Pack 280 Series (CM)

Terminal Part Information

- Terminal/Tray: See Terminal Repair Kit
- Core/Insulation Crimp: See Terminal Repair Kit
- Release Tool/Test Probe: See Terminal Repair Kit

Junction Block - Left I/P, X5 SPO Alarm

Pin	Wire Color	Circuit No.	Function
A-C	--	--	Not Used
D	0.5 RD/WH	4540	Battery Positive Voltage

Power Distribution: Pickup – Junction Block-Left I/P-Connector X7 (JF4) & X8

Junction Block - Left I/P - X7 (JF4) Connector Part Information

- OEM: 13516836
- Service: 19149294
- Description: 8-way F GT 280 Series (OG)

Terminal Part Information

- **Pins: 1, 3, 5**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 2, 4**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X7 (JF4)

Pin	Wire Color	Circuit No.	Function
1	0.5 GY	6206	Low Reference (JF4 +AN3)
2	1 YE	5129	Adjustable Pedals Relay Rearward Control (JF4)
3	0.5 TN	6207	5-Volt Reference (JF4 +AN3)
4	1 PU	5130	Adjustable Pedals Actuator Forward Control (JF4)
5	0.5 PK	5289	Adjustable Pedal Sensor Signal (JF4 +AN3)
6-8	--	--	Not Used

Junction Block - Left I/P - X8 Connector Part Information

- OEM: 13516835
- Service: 19149293
- Description: 8-way F GT 280 Series (GN)

Terminal Part Information

- **Pins: 3**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 4, 5, 6, 7**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X8

Pin	Wire Color	Circuit No.	Function
1-2	--	--	Not Used
3	1 BK	1050	Ground
4	0.35 YE	43	Accessory Voltage (A48)
5	0.35 PU	5234	Passenger Seat Belt Indicator (AL0)
6	0.35 D-BU	2307	Passenger Air Bag On Indicator Control
7	0.35 D-GN/BK	2308	Passenger Air Bag Off Indicator Control
8	--	--	Not Used

Power Distribution: Pickup – Junction Block-Left I/P-Connector X9 & X10

Junction Block - Left I/P - X9 Connector Part Information

- OEM: 13516831
- Service: 19149289
- Description: 8-way F GT 280 Series (BK)

Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X7 (JF4)

Pin	Wire Color	Circuit No.	Function
1	0.35 PK	1639	Ignition 1 Voltage (DF5)
2	0.35	5515	Inside Air Temperature Sensor Assembly
3	0.5 OG	1054	Stop Lamp Supply Voltage Signal
4	0.35 D-GN	734	Inside Air Temperature Sensor Signal (CJ2)
5	0.35 PK	1139	Ignition 1 Voltage (AL0/C99)
6	0.5 WH/BK	158	Courtesy Lamp Supply Voltage
7	0.35 D-GN	6101	Low Reference
8	0.5 GY	157	Courtesy Lamp Control
	0.5 GY	157	Courtesy Lamp Control (Extended Cab/Crew Cab)

Junction Block - Left I/P - X10 Connector Part Information

- OEM: 13516830
- Service: 19149291
- Description: 8-way F GT 280 Series (GY)

Terminal Part Information

- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X10

Pin	Wire Color	Circuit No.	Function
1	0.5 RD/WH	240	Battery Positive Voltage (TRW/5Y0/5X7/UG1)
2	0.35 OG	6815	Inadvertent Power Control
	0.35 OG	6815	Inadvertent Power Control (Extended Cab/Crew Cab - YE9)
3	0.35 PK	1691	Low Reference (DF5 +DL3/DR4)
4	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (TRW/UG1/A48)
5	0.35 YE	61	Low Reference (DF5)
6	0.35 D-GN/WH	636	Ambient Air Temperature Sensor Signal (DF5)
7	0.35 GY	1690	Automatic Day/Night Mirror Signal (DF5 +DI3/DR4)
8	0.35 D-BU	38	Backup Lamp Relay Control (DF5)

Power Distribution: Pickup – Junction Block-Left I/P-X5 – Connector X11 & X12

Junction Block - Left I/P - X11 Connector Part Information

- OEM: 13516833
- Service: 19115668
- Description: 8-way F GT 280 Series (L-GY)

Terminal Part Information

- **Pins: 1**
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: 4/4
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 2**
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 4, 6, 8**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp:
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 7**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X11

Pin	Wire Color	Circuit No.	Function
1	2 RD/WH	1340	Battery Positive Voltage (Crew Cab +A31/Extended Cab +ABV)
2	3 RD/WH	1440	Battery Positive Voltage
3	--	--	Not Used
4	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (Crew Cab +31/Extended Cab +ABV)
	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (Crew Cab +31/Extended Cab +ABV)
5	--	--	Not Used
6	0.35 PK	1139	Ignition 1 Voltage
7	0.8 RD/WH	4440	Battery Positive Voltage (-AL0)
	0.5 RD/WH	4440	Battery Positive Voltage (AL0)
	0.35 RD/WH	4440	Battery Positive Voltage (AL0)
8	0.5 RD/WH	4440	Battery Positive Voltage (ASF)

Junction Block - Left I/P - X12 Connector Part Information

- OEM: 13516834
- Service: 19149292
- Description: 8-way F GT 280 Series (BN)

Terminal Part Information

- **Pins: 1, 2, 8**
- Terminal/Tray: 13525969/4
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 6**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X12

Pin	Wire Color	Circuit No.	Function
1	3 RD/WH	5040	Battery Positive Voltage (AN3)
2	3 RD/WH	3440	Battery Positive Voltage (A48)
3-5	--	--	Not Used
6	1 WH/BK	158	Courtesy Lamp Supply Voltage
7	--	--	Not Used
8	3 BK	2550	Ground

Power Distribution: Pickup – Junction Block-Left I/P-Connector X13 & X14

Junction Block - Left I/P - X13 Connector Part Information

- OEM: 13516832
- Service: 19149290
- Description: 8-way F GT 280 Series (D-BU)

Terminal Part Information

- **Pins: 1, 2**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: 3, 4, 5, 6, 7, 8**
- Terminal/Tray: 13525970/4
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Left I/P, X13			
Pin	**Wire Color**	**Circuit No.**	**Function**
1	1 PU	5130	Adjustable Pedals Relay Forward Control (JF4 +AN3)
2	1 YE	5129	Adjustable Pedals Relay Rearward Control (JF4 +AN3)
3	0.35 PU	5286	Adjustable Pedals Relay Forward Control (JF4 +AN3)
4	0.35 OG/BK	5825	Adjustable Pedals Relay Rearward Control (JF4 +AN3)
5	0.5 TN	6207	Memory Sensor High Reference (JF4 +AN3)
6	0.5 PK	5289	Adjustable Pedal Sensor Signal (JF4 +AN3)
7	0.5 GY	6206	Low Reference (JF4 +AN3)
8	0.35 YE	43	Accessory Voltage (A31 -AN3/DL3)
	0.35 YE	43	Accessory Voltage (A31 -AN3/DL3)
	0.35 PU/WH	6205	12-Volt Reference (JF4 +AN3)

Junction Block - Left I/P - X14 Connector Part Information

- OEM: 13516837
- Service: See Catalog
- Description: 8-way F GT 280 Series (BK)

Terminal Part Information

- Terminal/Tray: See Terminal Repair Kit
- Core/Insulation Crimp: See Terminal Repair Kit
- Core/Insulation Crimp: See Terminal Repair Kit

Junction Block - Left I/P, X14			
Pin	**Wire Color**	**Circuit No.**	**Function**
1	0.5 BK	1050	Ground (5Y0/5X7)
2-4	--	--	Not Used
5	3 RD/WH	2340	Battery Positive Voltage (5Y0)
6-7	--	--	Not Used
8	0.5 YE	43	Accessory Voltage (9L4)

Power Distribution: Pickup – Junction Block-Right I/P-Connector X1

Junction Block - Right I/P - X1 Connector Part Information

- OEM: 15489487
- Service: See Catalog
- Description: 40-way F (BK)

Terminal Part Information

- **Pins: 2A4, 2B4, 3B1, 5A, 5C, 5D, 5E, 5F**
- Terminal/Tray: 15304722/8
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 15315247/J-35616-5 (PU)

- **Pins: 3A1, 3A4**
- Terminal/Tray: 15304724/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: See Terminal Repair Kit

- **Pins: 2A2, 2A3, 2B3, 2B6, 2B7, 3A7, 4A1, 4A2, 4A3, 4A4, 4A5, 4A6, 4A7, 4B2, 4B3, 4B5, 4B6, 5B**
- Terminal/Tray: 15304724/8
- Core/Insulation Crimp: See Terminal Repair Kit
- Release Tool/Test Probe: See Terminal Repair Kit

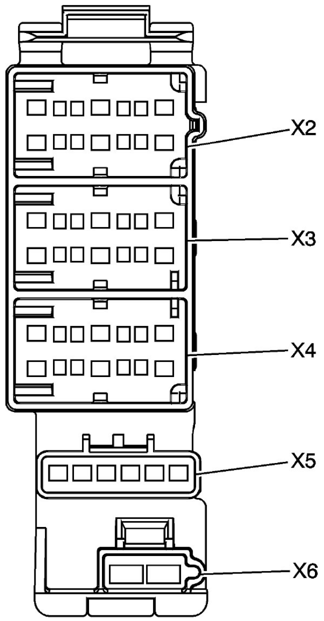
- **Pins: 2B1, 3B4**
- Terminal/Tray: 15304724/8
- Core/Insulation Crimp: C/D
- Release Tool/Test Probe: See Terminal Repair Kit

- **Pins: 6A**
- Terminal/Tray: 12066493/3
- Core/Insulation Crimp: B/G
- Release Tool/Test Probe: 12094430/J-35616-43 (RD)

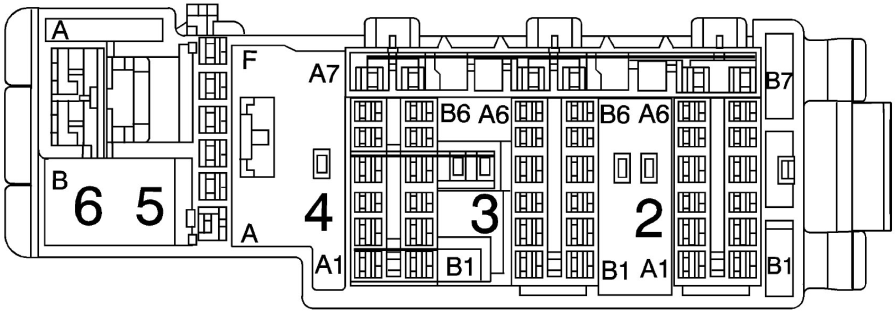
- **Pins: 6B**
- Terminal/Tray: 12066493/3
- Core/Insulation Crimp: F/G
- Release Tool/Test Probe: 12094430/J-35616-43 (RD)

(continued on Pg. B-28)

Junction Block-Right I/P (Wire Entry), Top View



Junction Block-Right I/P (Wire Entry), Bottom View



Power Distribution: Pickup – Junction Block-Right I/P-Connector X1 (cont'd)

Junction Block - Right I/P - X1 Connector Part Information

(continued from Pg. B-27)

(continued from column at left)

Junction Block - Right I/P, X1

Pin	Wire Color	Circuit No.	Function
2A1	--	--	Not Used
2A2	0.35 TN	481	Outside Moisture Signal 1 (CE1)
2A3	0.35 L-GN	482	Outside Moisture Signal 2 (CE1)
2A4	0.35 WH	2283	Ignition Voltage (CE1)
	0.35 WH	2283	Ignition Voltage (NQH/NQF +CE1)
2A5-2A6	--	--	Not Used
2A7	--	--	Ground Bus
2B1	0.35 RD/WH	3140	Battery Positive Voltage (CF5/TRW)
2B2	0.5 BN	2509	Left Front Park Lamps Supply Voltage (U01)
2B3	0.35 YE	43	Accessory Voltage (CF5)
2B4	0.5 BN/WH	230	Instrument Panel lamp Dimming Control (CF5)
2B5	0.5 WH	5990	Emergency Lamp Switch Signal (5Y0/5X7)
2B6	0.5 BK	1050	Ground
2B7	0.35 OG	300	Ignition 3 Voltage (Export w/CF5)
3A1	0.5 D-GN	117	Right Front Speaker Output (-)
3A2	0.5 L-GN	200	Right Front Speaker Output (+)
3A3	0.35 BK	1850	Ground
3A4	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3/DPN)
	0.8 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3/DPN)
	0.35 L-BU	224	Passenger Door Lock Switch Lock Signal (AU3-YE9)
3A5	0.35 TN/WH	746	Right Front Door Ajar Switch Signal (-AN3/DL3)
3A6	0.8 GY	295	Door Lock Actuator Lock Control (AU3 -AN3/DL3)
3A7	3 BK	1050	Ground
3B1	0.35 D-GN	5060	Low Speed GMLAN Serial Data (YE9 +AN3/DL3)
3B2	0.8 RD/WH	240	Battery Positive Voltage
3B3	0.8 TN	294	Door Lock Actuator Unlock Control (AU3 -AN3/DL3)
3B4	2 RD/WH	1340	Battery Positive Voltage (A31)
	0.35 D-BU	245	Passenger Door Lock Switch Unlock Signal (AU3 -YE9)
3B5	0.35 BN/WH	230	Instrument Panel Lamp Dimming Control (AU3)
3B6	0.35 OG	5922	Passenger Door Open Signal (-AN3/DL3)
3B7	--	--	Ground Bus
4A1	0.35 GY	598	5-Volt Reference
4A2	0.35 TN	520	Lower Right Air Temperature Sensor Signal (CJ2)

(continued on Pg. B-29)

Power Distribution: Pickup – Junction Block-Right I/P-Connector X1 (cont'd)

(continued from Pg. B-28)

Junction Block - Right I/P, X1

Pin	Wire Color	Circuit No.	Function
4A3	0.35 TN	518	Lower Left Air Temperature Sensor Signal (CJ2)
4A4	0.35 YE	1791	Low Reference
4A5	0.35 PU	1838	Recirculation Door Position Signal (CJ2)
4A6	0.35 GY/BK	754	Blower Motor Speed Control
4A7	3 BK	1050	Ground
4B1	--	--	5-Volt Reference Bus
4B2	0.35 D-BU	1199	Air Temperature Door Control
4B3	0.35 TN	2273	Mode Door Control
4B4	--	--	Low Reference Bus
4B5	0.35 YE/BK	713	Defrost/Heater Mode Valve Position Sensor Signal

(continued from column at left)

Junction Block - Right I/P, X1

Pin	Wire Color	Circuit No.	Function
4B6	0.35 L-BU	733	Air Temperature Door Position Signal
4B7	--	--	Ground Bus
5A	0.35 D-GN	6101	Low Reference
5B	0.35 PK	839	Ignition 1 Voltage
	0.35 PK	839	Ignition 1 Voltage
5C	0.35 PK	839	Ignition 1 Voltage
5D	0.35 D-BU	1646	Auxiliary Air Temperature Door Position Signal
5E	0.35 WH/BK	1236	Auxiliary Air Temperature Door Control
5F	0.35 D-GN	1614	Recirculation Door Control
6A	5 RD/BK	542	Battery Positive Voltage
6B	3 BK	1050	Ground
	3 BK	1050	Ground

Power Distribution: Pickup – Junction Block-Right I/P-Connector X2

Junction Block - Right I/P - X2 Connector Part Information

- OEM: 15467621
- Service: 19115663
- Description: 14-way F GT 150/280 Series (GY)

Terminal Part Information

- **Pins: B2, B3**
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- **Pins: A7, B1**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A7, B4**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Right I/P, X2

Pin	Wire Color	Circuit No.	Function
A1	--	--	Not Used
A2	0.35 TN	481	Outside Moisture Signal 1 (CE1)
A3	0.35 L-GN	482	Outside Moisture Signal 2 (CE1)
A4	0.35 WH	2283	Ignition Voltage (CE1)

(continued from column at left)

Junction Block - Right I/P, X2

Pin	Wire Color	Circuit No.	Function
A5-A6	--	--	Not Used
A7	3 BK	1050	Ground (CF5/TRW)
	0.5 BK	1050	Ground (U01)
B1	3 RD/WH	3140	Battery Positive Voltage (CF5/TRW)
B2	0.5 BN	2509	Left Front Park Lamps Supply Voltage (U01)
B3	0.35 YE	43	Accessory Voltage (CF5)
B4	0.5 BN/WH	230	Instrument Panel Lamps Dimming Control (CF5)
B5	0.5 WH	5990	Emergency Lamp Switch Signal (5Y0/5X7)
B6	0.35 BK	1050	Ground (CE1)
B7	--	--	Not Used

Power Distribution: Pickup – Junction Block-Right I/P-Connector X3

Junction Block - Right I/P - X3 Connector Part Information

- OEM: 15467622
- Service: 19115664
- Description: 14-way F GT 150/280 Series (L-GY)

Terminal Part Information

- **Pins: A1**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A4, B1, B4**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A2, A6, B2, B3**
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: C/A
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- **Pins: A3, A5, B5, B6**
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)

- **Pins: A7**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp: F/D
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: B4**
- Terminal/Tray: 15304713/19
- Core/Insulation Crimp 4/4
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Right I/P, X3

Pin	Wire Color	Circuit No.	Function
A1	0.8 D-GN	117	Right Front Speaker Output (-)
A2	0.8 L-GN	200	Right Front Speaker Output (+)
A3	0.35 BK	1850	Ground (-AN3/DL3)
A4	0.5 D-BU/WH	1315	Right Front Turn Signal Lamp Supply Voltage (DL3/DPN)
	0.35 L-BU	244	Passenger Door Lock Switch Lock Signal (AU3 -YE9)

(continued from column at left)

Junction Block - Right I/P, X3

Pin	Wire Color	Circuit No.	Function
A5	0.35 TN/WH	746	Right Front Door Ajar Switch Signal (-AN3/DL3)
A6	1 GY	295	Door Lock Actuator Lock Control (AU3 -AN3/DL3)
A7	3 BK	1050	Ground (A31/AN3/DL3/DL8/DPN)
B1	0.35 D-GN	5060	Low Speed GMLAN Serial Data (AN3/DL3)
B2	0.8 RD/WH	240	Battery Positive Voltage
B3	1 TN	294	Door Lock Actuator Unlock Control (AU3 -AN3/DL3)
B4	2 RD/WH	1340	Battery Positive Voltage (A31)
	0.35 D-BU	245	Passenger Door Lock Switch Unlock Signal (AU3 -YE9)
B5	0.35 BN/WH	230	Instrument Panel Lamps Dimming Control (AU3 -AN3/DL3)
B6	0.35 OG	5922	Non-Driver Door Open Switch Signal (-AN3/DL3)
B7	--	--	Not Used

Power Distribution: Pickup – Junction Block-Right I/P-Connector X4

Junction Block - Right I/P - X4 Connector Part Information

- OEM: 15467620
- Service: 19115662
- Description: 14-way F GT 150/280 Series (BK)

Terminal Part Information

- **Pins: A1, A4, B1, B4**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: A2, A3, A5, A6, B2, B3, B5, B6**
- Terminal/Tray: 12191812/19
- Core/Insulation Crimp: E/C
- Release Tool/Test Probe: 15315247/J-35616-2A (GY)

Junction Block - Right I/P, X4

Pin	Wire Color	Circuit No.	Function
A1	0.35 L-BU/BK	598	5-Volt Reference
	0.35 L-BU/BK	598	5-Volt Reference (C67/CJ2)
A2	0.35 TN	520	Lower Right Air Temperature Sensor Signal (CJ2)
A3	0.35 TN	518	Lower Left Air Temperature Sensor Signal (CJ2)

(continued from column at left)

Junction Block - Right I/P, X4

Pin	Wire Color	Circuit No.	Function
A4	0.35 YE	1791	Low Reference
	0.35 YE	1791	Low Reference (C67/CJ2)
A5	0.35 PU	1838	Recirculation Door Position Signal (CJ2)
A6	0.35 PU/WH	754	Blower Motor Speed Control
A7	--	--	Not Used
B1	0.35L-BU/WH	598	5-Volt Reference
	0.35L-BU/WH	598	5-Volt Reference (CJ2)
B2	0.35 D-BU	1199	Left Air Temperature Door Control (CJ2)
B3	0.35 TN	2273	Mode Door Control
B4	0.35 YE	1791	Low Reference
	0.35 YE	1791	Low Reference (CJ2)
B5	0.35 L-GN	713	Mode Door Position Signal
B6	0.35 L-BU	733	Left Air Temperature Door Position Signal (CJ2)
B7	--	--	Not Used

Power Distribution: Pickup – Junction Block-Right I/P-Connector X5 & X6

Junction Block - Right I/P - X5 Connector Part Information

- OEM: 15326900
- Service: 15606380
- Description: 6-way F GT 280 Series (BK)

Terminal Part Information

- **Pins: A-C**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: 2/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: D-F**
- Terminal/Tray: 15304711/8
- Core/Insulation Crimp: E/A
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Right I/P, X4

Pin	Wire Color	Circuit No.	Function
A	0.35 D-GN	6101	Low Reference (CJ2)
	0.35 D-GN	6101	Low Reference (CJ2)
B	0.35 BN	839	Ignition 1 Voltage
	0.35 BN	839	Ignition 1 Voltage (C67/CJ2)
C	0.35 BN	839	Ignition 1 Voltage
	0.35 BN	839	Ignition 1 Voltage (CJ2)
D	0.35 D-BU	1646	Right Air Temperature Door Position Signal
E	0.35 WH/BK	1236	Right Air Temperature Door Control
F	0.35 D-GN	1614	Recirculation Door Control (C67/CJ2)

Junction Block - Right I/P - X6 Connector Part Information

- OEM: 12129939
- Service: 15306380
- Description: 2-way F Metri-Pack Series (BK)

Terminal Part Information

- Terminal/Tray: 12084590/3
- Core/Insulation Crimp: F/G
- Release Tool/Test Probe: 12094430/J-35616-42 (RD)

Junction Block - Right I/P, X6

Pin	Wire Color	Circuit No.	Function
A	3 RD	542	Battery Positive Voltage
B	3 BK	1050	Ground

Power Distribution: Pickup – Junction Block-Rear Lamps – Connector X1

Junction Block - Rear Lamps - X1 Connector Part Information

- OEM: 15317304
- Service: 15306114
- Description: 8-way F GT 280 Sealed (BU)

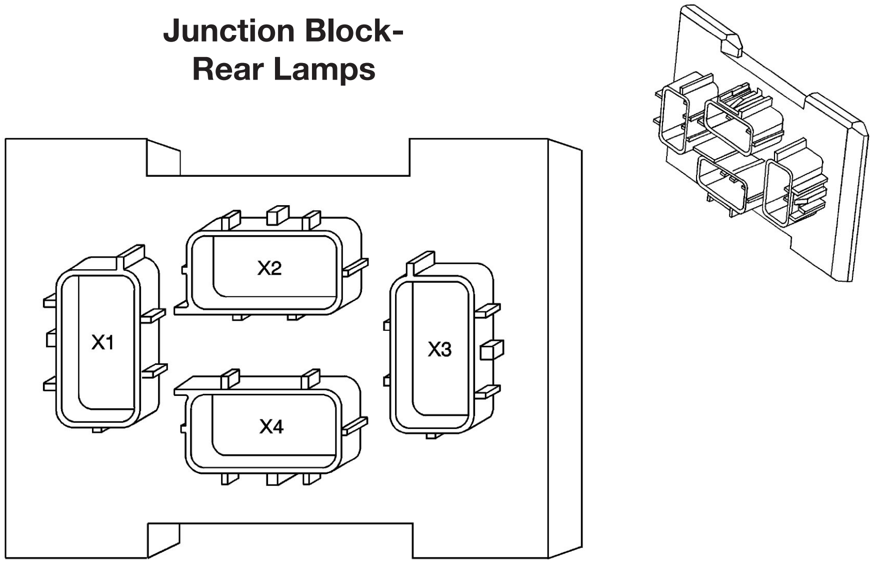
Terminal Part Information

- **Pins: A, C, D, G, H**
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

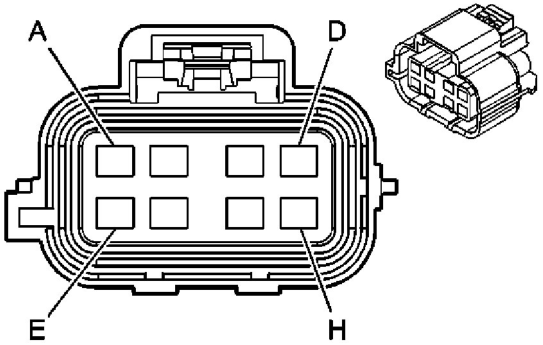
- **Pins: B, E**
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X1			
Pin	**Wire Color**	**Circuit No.**	**Function**
A	0.5 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
B	2 BK	2150	Ground
C	0.8 L-GN	24	Backup Lamp Supply Voltage
D	0.5 BN	2609	Right Rear Park Lamps Supply Voltage
E	2 BK	1750	Ground
F	--	--	Not Used
G	0.8 BN	2509	Left Rear Park Lamp Supply Voltage
H	0.5 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage

Junction Block-Rear Lamps



Junction Block-Rear Lamps X1



Power Distribution: Pickup – Junction Block-Rear Lamps – Connector X2 & X3

Junction Block - Rear Lamps - X2 Connector Part Information

- OEM: 15317305
- Service: 15306338
- Description: 8-way F GT 280 Sealed (GY)

Terminal Part Information

- **Pins: A, C, D, G, H**
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: B, E**
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X2			
Pin	Wire Color	Circuit No.	Function
A-B	--	--	Not
C	0.8 BK	1750	Ground
D	--	--	Not Used
E	0.8 BN	2509	Left Rear Park Lamps Supply Voltage
F	0.8 L-GN	24	Backup Lamp Supply Voltage
G	--	--	Not Used
G	0.8 BN	2509	Left Rear Park Lamp Supply Voltage
H	0.8 YE	18	Left Rear Stop/Turn Lamp Supply Voltage

Junction Block - Rear Lamps - X3 Connector Part Information

- OEM: 15317308
- Service: 15306135
- Description: 8-way F GT 280 Sealed 5.2 (BN)

Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X3			
Pin	Wire Color	Circuit No.	Function
A	0.5 BN	2609	Right Rear Park Lamps Supply Voltage
B	0.5 BN	2609	Right Rear Park Lamps Supply Voltage (R05)
C	0.5 BK	1750	Ground (R05)
D	0.5 BK	1750	Ground (R05)
E	0.5 BK	1750	Ground
F	0.5 BN	2509	Left Rear Park Lamps Supply Voltage (R05)
G	0.5 BN	2509	Left Rear Park Lamps Supply Voltage
H	0.5 BK	1750	Ground

Power Distribution: Pickup – Junction Block-Rear Lamps – Connector X4

Junction Block - Rear Lamps - X4 Connector Part Information

- OEM: 15317306
- Service: 15306339
- Description: 8-way F GT 280 Sealed 5.2 (BK)

Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

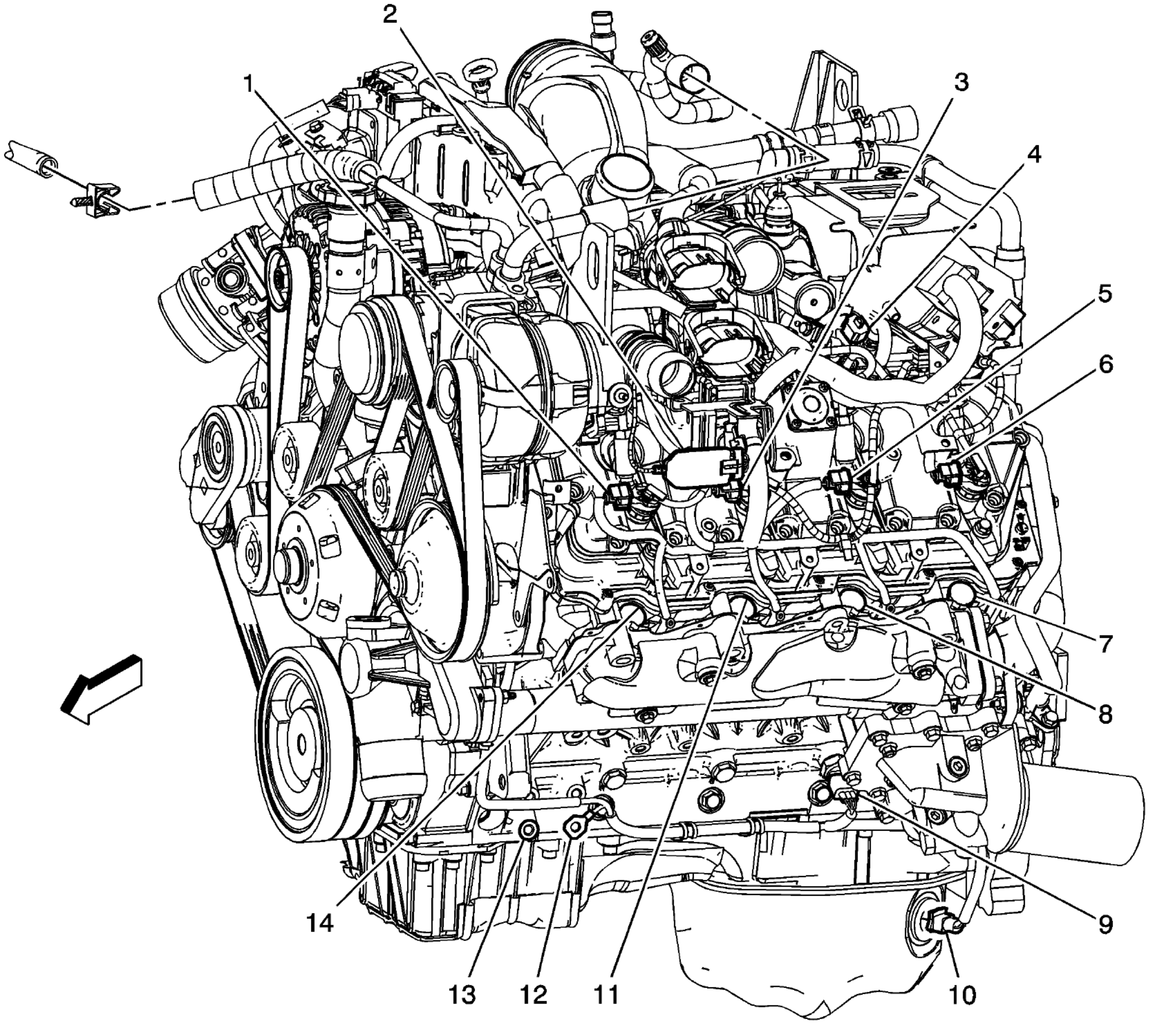
Junction Block - Rear Lamps, X4

Pin	Wire Color	Circuit No.	Function
A	0.8 BK	2150	Ground
B	0.8 BN	2609	Right Rear Park Lamps Supply Voltage
C-D	--	--	Not Used
E	0.8 L-GN	24	Backup Lamp Supply Voltage
F	0.8 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
G-H	--	--	Not Used

Ground Distribution: Diesel Ground – 2007 Chevrolet Silverado - 4WD

Left Side of Engine (Diesel)

(1) Fuel Injector 2
(2) Turbocharger Vane Position Sensor
(3) Fuel Injector 4
(4) Fuel Rail Pressure Sensor
(5) Fuel Injector 6
(6) Fuel Injector 8
(7) Glow Plug 8
(8) Glow Plug 6
(9) Engine Oil Level Switch
(10) Engine Oil Pressure (EOP) Sensor
(11) Glow Plug 4
(12) G106
(13) G102
(14) Glow Plug 2



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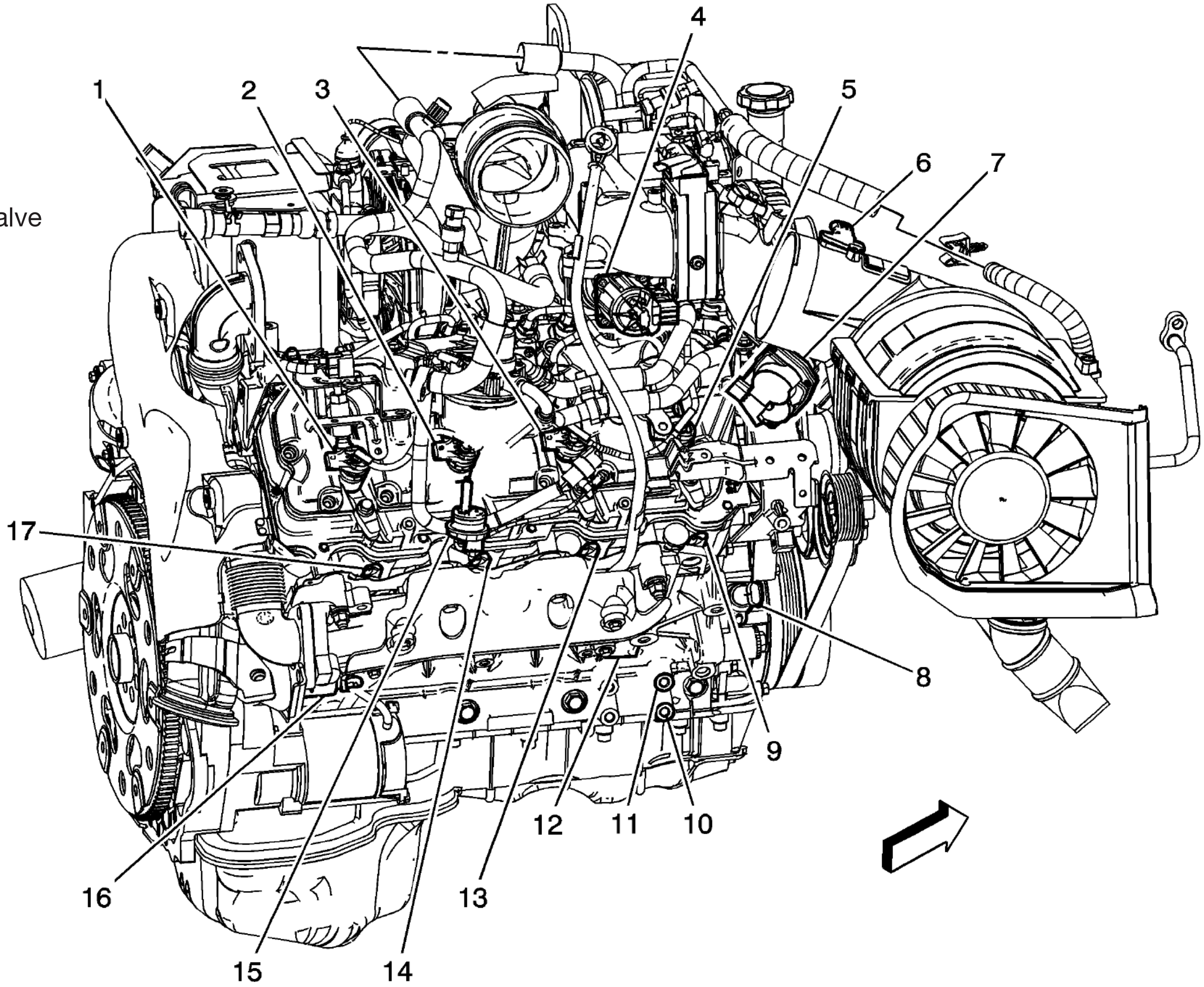
Ground Distribution: Diesel Ground – 2007 Chevrolet Silverado - 4WD

Right Side of Engine (Diesel)

(1) Fuel Injector 7
(2) Fuel Injector 5
(3) Fuel Injector 3
(4) Exhaust Gas Recirculation (EGR) Valve
(5) Fuel Injector 1
(6) Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor
(7) Intake Air Valve
(8) Cranskshaft Position (CKP) Sensor
(9) Glow Plug 1
(10) G103
(11) G105
(12) Block Heater
(13) Glow Plug 3
(14) Glow Plug 5
(15) Ware In Fuel Sensor
(16) Starter
(17) Glow Plug 7



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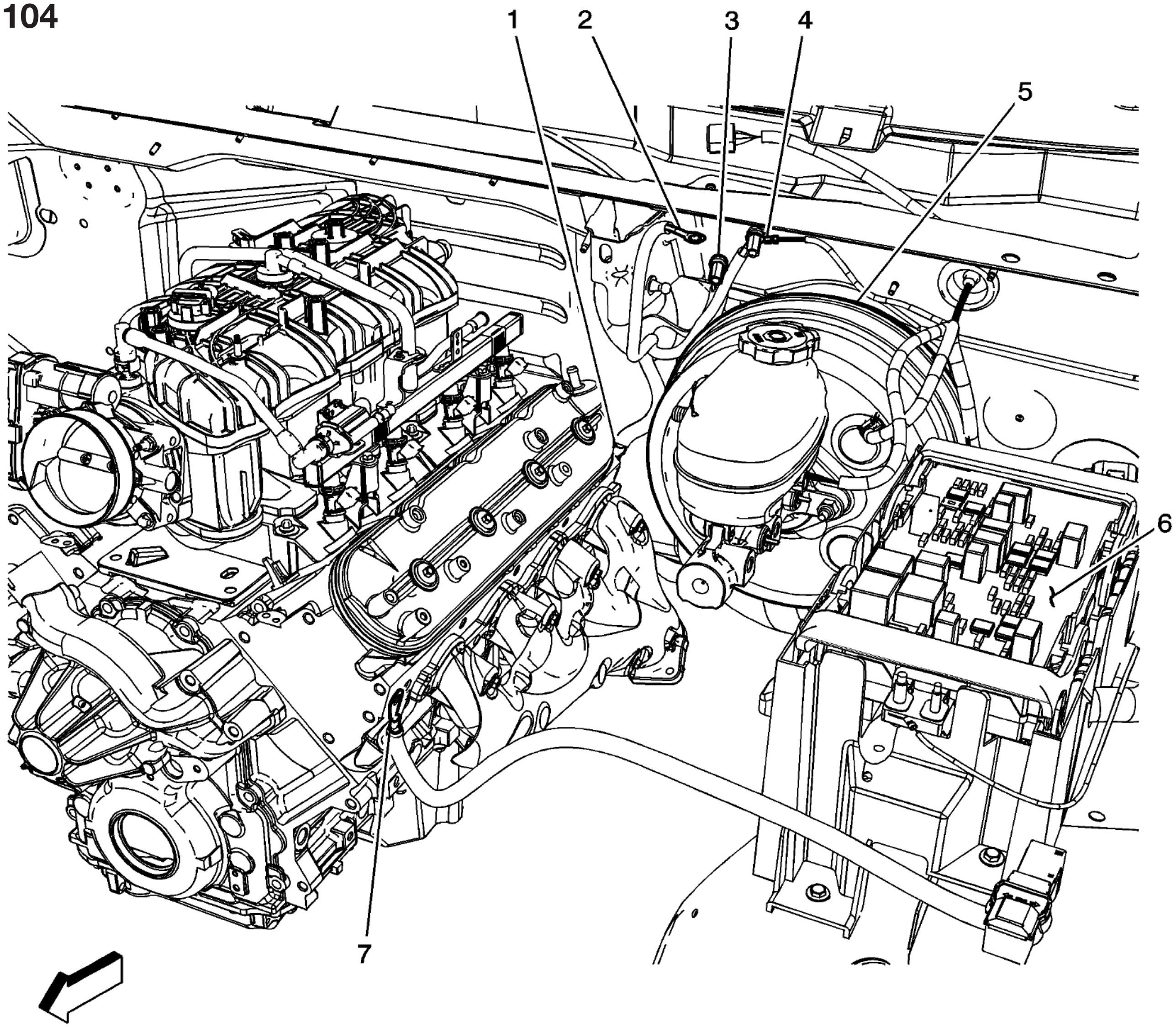
Ground Distribution: G107, G108, F110, G111, and G104 Grounds

G107, G108, G110, G111, and G104

(1) G107 (4.3L)
(2) G111 (XA7)
(3) G108
(4) G110 (XA7)
(5) Brake Booster Assembly
(6) Fuse Block-Underhood
(7) G104 (6A6)



1888648

Ground Distribution: G301, G302, G303, and G304 Grounds

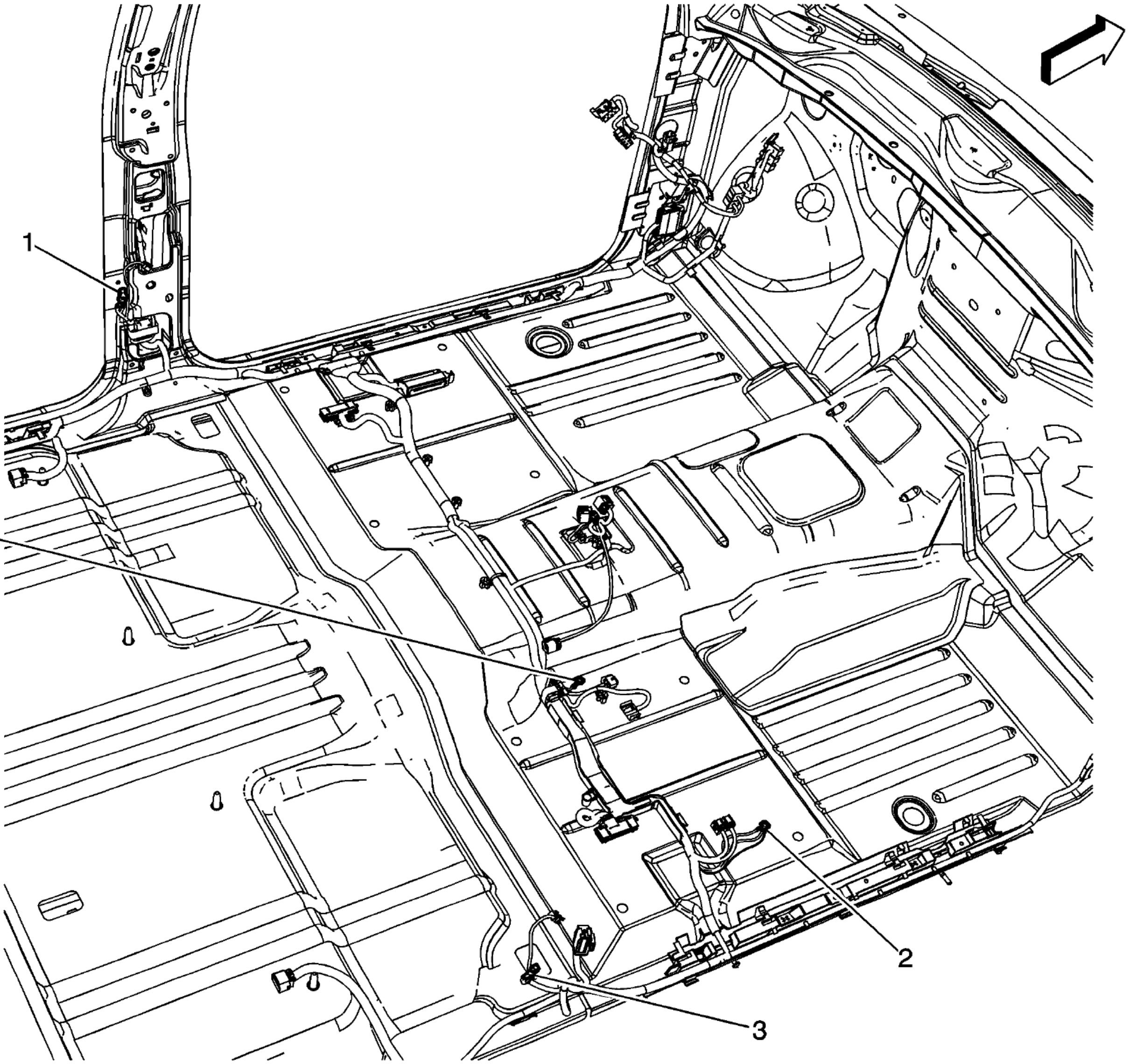
G301, G302, G303 and G304

(1) G303

(2) G302

(3) G304

(4) G301

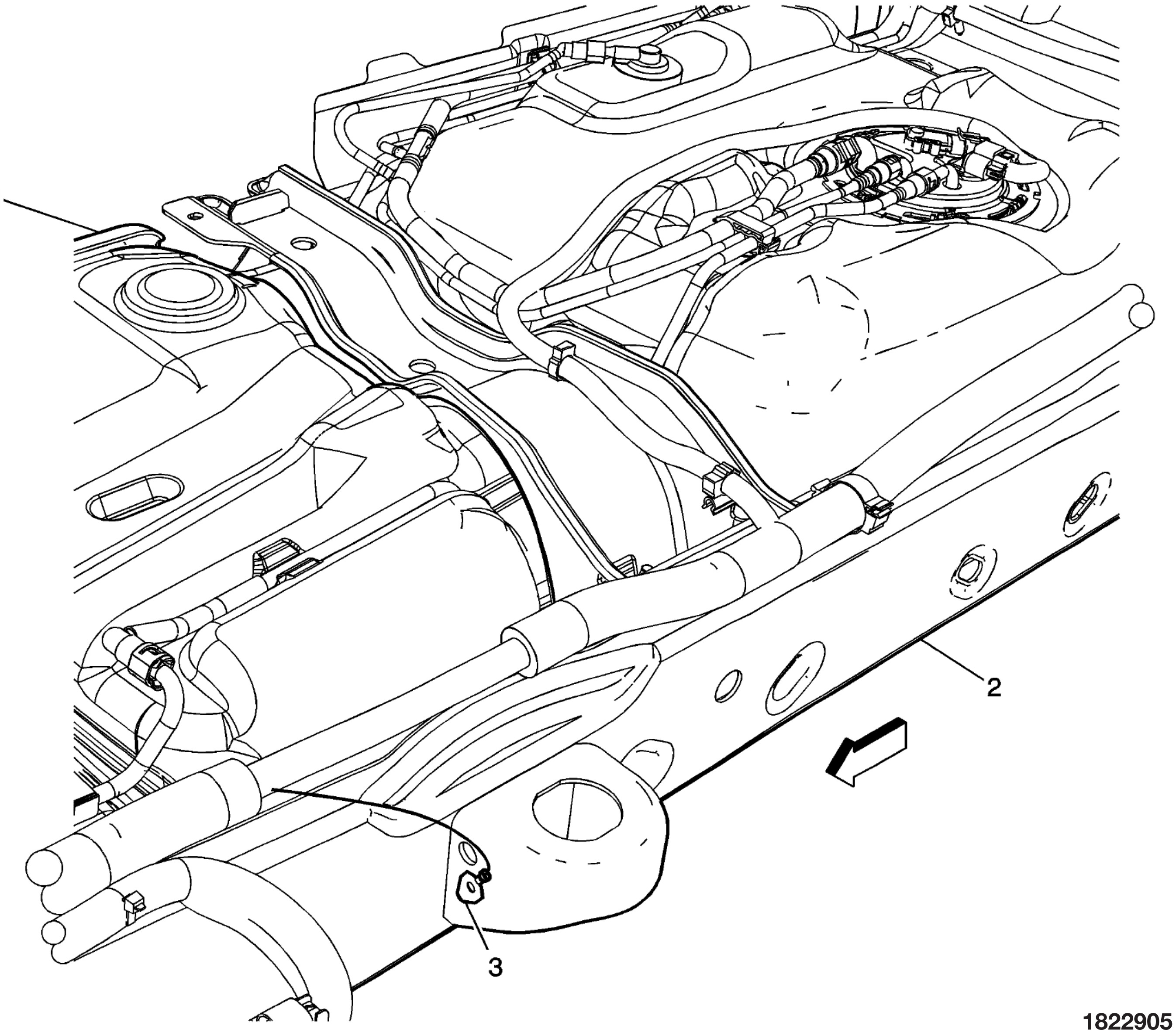


1822906

Ground Distribution: G305 Ground

G305

(1) Fuel Tank
(2) Frame
(3) G305



Electrical Component Locations

Component Name	Location
1-2 Shift Solenoid (1-2 SS) Valve (M30/M70)	In the automatic transmission
2-3 Shift Solenoid (2-3 SS) Valve (M30/M70)	In the automatic transmission
3-2 Shift Solenoid (3-2 SS) Valve (M30/M70)	In the automatic transmission
A/C Compressor Clutch (C67/CJ2 +4.3L)	Mounted to the front of the A/C compressor
A/C Compressor Clutch (C67/CJ2 -4.3L)	Mounted to the front of the A/C compressor
A/C Low Pressure Switch (Gas +C67/CJ2)	Right rear of the engine compartment on the right side of the A/C accumulator
A/C Low Pressure Switch (Diesel +C67/CJ2)	On the top right side of the A/C line
A/C Refrigerant Pressure Sensor (C67/CJ2 -Diesel)	In the right front of the engine compartment on the A/C high pressure hose near the compressor
A/C Refrigerant Pressure Sensor (C67/CJ2 +Diesel)	In the right front of the engine compartment on the A/C high pressure hose near the compressor
A/T Shift Lock Control Solenoid	Under the I/P mounted to the right side of the steering column
Accelerator Pedal Position (APP) Sensor	On the driver floor board above the accelerator pedal
Air Temperature Actuator - Left (CJ2)	Bottom center of the HVAC module assembly
Air Temperature Actuator - Right (CJ2)	Top middle of the HVAC module assembly
Air Temperature Actuator (C67/C42)	Top middle of the HVAC module assembly

(continued from column at left)

Component Name	Location
Air Temperature Sensor - Lower Left (CJ2)	Left side of the HVAC module near the mode actuator
Air Temperature Sensor - Lower Right (CJ2)	Lower left of the HVAC module to the left of the air temperature actuator - left
Air Temperature Sensor - Upper Left (CJ2)	At the top rear of the I/P below the dash trim panel to the left of the ambient light/sunload sensor
Air Temperature Sensor - Upper Right (CJ2)	At the top rear of the I/P below the dash trim panel to the right of the ambient light/sunload sensor
Ambient Air Temperature Sensor - HVAC (CJ2)	Front of the vehicle mounted to the front of the lower radiator core support, on the right
Ambient Air Temperature Sensor (DF5)	Attached to the left side of the radiator core support behind the grille
Ambient Light Sensor (C67/C42)	On the top center of the I/P mounted in the trim panel
Ambient Light/Sunload Sensor Assembly (CJ2)	On the top center of the I/P mounted in the trim panel
Audio Amplifier (UQA)	Mounted to floor under the rear of the center console
Audio/Video Adapter (U42)	Rear of the center console near the rear seat audio controller
Automatic Transmission (MYC/MYD)	Under the Vehicle, mounted to the rear of the engine
Automatic Transmission Fluid Pressure Manual Valve Position Switch (M30/M70)	In the automatic transmission
Automatic Transmission Input Shaft Speed (AT ISS) Sensor (MW7)	In the automatic transmission

(continued on Pg. B-43)

Electrical Component Locations (cont'd)

(continued from Pg. B-42)

Component Name	Location
Automatic Transmission Shift Lever (M30/M70/MYC/MYD/MW7)	Right side of the steering column to the rear of the steering wheel
Automatic Transmission Turbine Speed Sensor (MW7)	Mounted to the top left of the Transmission
Auxiliary Battery Relay (TP2)	At the left side rear of the engine compartment
Auxiliary Body Control Module (XBCM) (Export)	In the right side of the I/P, below the defrost deflector
Auxiliary Power Outlet - Bin (D07)	In the rear of the center console storage bin
Auxiliary Power Outlet - Center Seat (AZ3)	Between the Driver and Passenger Seats
Auxiliary Power Outlet - Console (D07)	Rear of the center console below the rear seat audio controller
Auxiliary Power Outlet - Front 1	Left center of the I/P to the left of the I/P multifunction switch assembly
Auxiliary Power Outlet - Front 2	Right center of the I/P to the right of the I/P multifunction switch assembly
Back-up Alarm (8S3)	On the rear of the vehicle frame
Backup Lamp - Left Rear	Left rear of the vehicle
Backup Lamp - Right Rear	Right rear of the vehicle
Battery Current Sensor (10 Series)	Part of the negative battery cable assembly
Battery - Left (Diesel 6A6/TP2)	Left front corner of engine compartment
Battery - Right	Right rear of the engine compartment to the rear of the coolant reservoir

(continued from column at left)

Component Name	Location
Blower Motor	Lower right side of the HVAC module below the passenger side of the I/P
Blower Motor Control Module	Lower right side of the HVAC module below the passenger side of the I/P to the left of the blower motor
Body Control Module (BCM)	On the lower left side of the I/P to the left of the steering column
Brake Booster Vaccum Sensor (JL4)	Left rear of the engine compartment near the fuse block - underhood
Brake Fluid Level Switch	Mounted to lower left side of the master cylinder
Brake Master Cylinder Pressure Sensor (JL1)	Left rear of the engine compartment near the fuse block
Camper/Trailer Blunt Cut (UY2)	On the left frame rail, near the front of the bed
Camshaft Actuator Solenoid (6.0L/6.2L)	Front of the engine, behind the water pump
Camshaft Position (CMP) Sensor	Front of the engine above the crank pulley
Cargo Lamp/Center High Mounted Stop Lamp (CHMSL)	Rear roof line above the rear window
Cellular Microphone (UE1/U3U/UVB)	In the overhead console
Central Sequential Fuel Injection (SFI) (4.3L)	Top of the engine between the throttle body and distributor
Chime Module (UL5)	Center of the I/P, behind the radio
Clearance Lamp - Left Front (R05)	Front of the left rear wheel flare
Clearance Lamp - Left Rear (R05)	Rear of the left rear wheel flare
Clearance Lamp - Right Front (R05)	Front of the right rear wheel flare

(continued on Pg. B-44)

Electrical Component Locations (cont'd)

(continued from Pg. B-43)

Component Name	Location
Clearance Lamp - Right Rear (R05)	Rear of the right rear wheel flare
Clearance Lamps (U01)	Center of the roof panel above the windshield
Cooling Fan - Left (Gas - LY6)	Left front of the engine compartment near the radiator
Cooling Fan - Right (Gas - LY6)	Right front of the engine compartment near the radiator
Courtesy/Reading Lamps - Front	Mounted in the overhead console
Courtesy/Reading Lamps - Rear (Extended Cab/Crew Cab)	In the headliner above the 2nd row seating
Crankshaft Position (CKP) Sensor (4.3L)	In the front lower right of the timing cover
Crankshaft Position (CKP) Sensor (Gas -4.3L)	On the right rear of the engine, behind the starter
Crankshaft Position (CKP) Sensor (Diesel)	Front of the engine to the lower left of the crank pulley
Data Link Connector (DLC)	Lower left side of instrument panel to the left of the steering column
Defogger Grid (C49)	Mounted to the rear glass
Digital Radio Receiver (U2K)	Right side of the I/P behind the I/P compartment
Door Latch Assembly - Driver	Inside the rear of the driver door below the outside door handle
Door Latch Assembly - Left Rear (Crew Cab)	Inside the rear of the left rear door near the outside door handle
Door Latch Assembly - Passenger	Inside the rear of the passenger door below the outside door handle
Door Latch Assembly - Right Rear (Crew Cab)	Inside the rear of the right rear door near the outside door handle

(continued from column at left)

Component Name	Location
Door Lock Switch - Driver (AU3 -AN3/DL3)	Mounted to the driver door trim panel
Door Lock Switch - Passenger (AU3 -AN3/DL3)	Mounted to the passenger door trim panel
DPF Differential Pressure Sensor (Diesel)	In the middle of the frame rail cross member, above the catalytic converter
Driver Door Switch (DDS) (AN3/DL3)	Mounted to the driver door trim panel
Driver Information Center (DIC) Switch (UK3)	Center of the I/P between the instrument cluster and the air vents
Driver Shift Request Switch (MYC/MYD/MW7)	Part of the automatic transmission shift lever
Electronic Adjustable Pedal Assembly (JF4)	Mounted under the lower left side of the instrument panel
Electronic Brake Control Module (EBCM)(JL4/JF3/JF7/JH6/JH7)	Mounted to the left side of the frame assembly below the driver seat
Emergency Vehicle Roof Lamp Relay (5Y0)	Behind the overhead console
Emergency Vehicle Wiring Blunt Cuts (5Y0)	Behind the overhead console
Engine Control Module (ECM)	Left front of the engine compartment near the fan shroud
Engine Coolant Level Switch (Diesel)	In the right front of the engine compartment, below the surge tank
Engine Coolant Temperature (ECT) Sensor (Gas +4.3L)	In the left front of the cylinder head, between the #3 and #5 cylinder exhaust ports
Engine Coolant Temperature (ECT) Sensor (4.8L/5.3L/6.0L/6.2L)	Near the left front cylinder head, at the cylinder #1 exhaust port

(continued on Pg. B-45)

Electrical Component Locations (cont'd)

(continued from Pg. B-44)

Component Name	Location
Engine Coolant Temperature (ECT) Sensor (Diesel)	Top front middle of the engine
Engine Oil Level Switch (4.8L/5.3L/6.0L/6.2L)	Mounted in the right side of the oil pan
Engine Oil Level Switch (Diesel)	Mounted on the left side of |the oil pan
Engine Oil Pressure (EOP) Sensor (Gas)	Top rear of the engine to the rear of the intake manifold
Engine Oil Pressure (EOP) Sensor (Diesel)	On the left rear side of the engine block
Evaporative Emission (EVAP) Canister Purge Solenoid Valve (4.3L)	Attached to the intake manifold on the right side of the engine to the rear of the ignition coil
Evaporative Emission (EVAP) Canister Purge Solenoid Valve (4.8L/5.3L/6.0L/6.2L)	Top of the engine mounted to the intake manifold, on the left side of Injector #1
Evaporative Emission (EVAP) Canister Vent Solenoid Valve (Gas)	Lower right rear of the vehicle, on the Evaporative Emission Canister
Exhaust Gas Recirculation (EGR) Valve (Diesel)	Top right front of the engine
Exhaust Gas Temperature (EGT) Sensor 1 (Diesel)	Under the left side of the vehicle, in front of the catalytic converter
Exhaust Gas Recirculation (EGR) Temperature Sensor 1 (Diesel)	--
Exhaust Gas Recirculation (EGR) Temperature Sensor 2 (Diesel)	--
Exhaust Gas Temperature (EGT) Sensor 2 (Diesel)	Under the left side of the vehicle, behind the catalytic converter
Exterior Illumination Lamp - Left (DL3/DR4/DPN)	Under the left outside rearview mirror

(continued from column at left)

Component Name	Location
Exterior Illumination Lamp - Right (DL3/DR4/DPN)	Under the right outside rearview mirror
Fog Lamp - Left Front (T96)	Lower left front of the vehicle
Fog Lamp - Right Front (T96)	Lower right front of the vehicle
Front Axle Actuator (NQF/NQG/NQH/NP2)	Mounted to the front axle assembly
Fuel Heater (Diesel)	Near the top of the fuel filter on the right side of the engine
Fuel Injector 1 (Diesel)	Near the right side engine rocker cover above cylinder #1
Fuel Injector 1 (Gas)	Upper left side of the engine, at cylinder #1
Fuel Injector 2 (Diesel)	Near the left side engine rocker cover above cylinder #2
Fuel Injector 2 (Gas)	Upper right side of the engine, at cylinder #2
Fuel Injector 3 (Diesel)	Near the right side engine rocker cover above cylinder #3
Fuel Injector 3 (Gas)	Upper left side of the engine, at cylinder #3
Fuel Injector 4 (Diesel)	Near the left side engine rocker cover above cylinder #4
Fuel Injector 4 (Gas)	Upper right side of the engine, at cylinder #4
Fuel Injector 5 (Diesel)	Near the right side engine rocker cover above cylinder #5
Fuel Injector 5 (Gas)	Upper left side of the engine, at cylinder #5
Fuel Injector 6 (Diesel)	Near the left side engine rocker cover above cylinder #6

(continued on Pg. B-46)

Electrical Component Locations (cont'd)

(continued from Pg. B-45)

Component Name	Location
Fuel Injector 6 (Gas)	Upper right side of the engine, at cylinder #6
Fuel Injector 7 (Diesel)	Near the right side engine rocker cover above cylinder #7
Fuel Injector 7 (Gas) (4.8L/5.3L/6.0L/6.2L)	Upper left side of the engine, at cylinder #7
Fuel Injector 8 (Diesel)	Near the left side engine rocker cover above cylinder #8
Fuel Injector 8 (Gas) (4.8L/5.3L/6.0L/6.2L)	Upper right side of the engine, at cylinder #8
Fuel Level Sensor - Primary (Diesel)	Inside the primary fuel tank, under the vehicle
Fuel Level Sensor - Secondary (Diesel - NQZ)	Inside the primary fuel tank, under the rear of the vehicle
Fuel Line Pressure Sensor (Gas - 4.3L/LMG/LY6/LC9)	In front of the Electronic Brake Control Module
Fuel Pressure Regulator (Diesel)	Mounted to the injection pump at the front of the engine center
Fuel Pump (Diesel)	On the left rear inner frame rail, in front of the rear fuel tank
Fuel Pump and Sender Assembly - Front (Gas)	Inside the fuel tank under the vehicle
Fuel Pump and Sender Assembly - Rear (Gas +LY6)	Inside the secondary fuel tank under the rear of the vehicle
Fuel Pump (FP) Relay - Secondary (Gas +LY6)	On the fuse block - underhood bracket
Fuel Rail Pressure (FRP) Sensor (Diesel)	Top of the engine mounted to the right fuel rail
Fuel Rail Temperature (FRT) Sensor (Diesel)	On the top left middle of the engine

(continued from column at left)

Component Name	Location
Fuel System Control Module (Gas - 4.3L/LMG/LY6/LC9)	Mounted to the rear frame, near the spare tire mount
Fuel Tank Pressure (FTP) Sensor (Gas)	Mounted to the fuel pump and sender assembly
Fuse Block - I/P	Left of the I/P behind the side trim panel
Fuse Block - Mobile Radio (9L4)	Right side of the I/P behind the I/P compartment
Fuse Block - Underhood	Left side of the engine compartment
Fuse Holder - Underhood	Right rear of engine compartment mounted to the bulk head
Garage Door Opener (UGI)	Front of the passenger compartment in the overhead console
Generator (4.3L)	Right front top of the engine
Generator (Gas -4.3L)	Upper left front corner of the engine
Generator - Left (Diesel +K76)	Upper left front corner of the engine
Generator - Right (Diesel)	Upper right front corner of the engine
Glow Plug 1 (Diesel)	Near the right side engine rocker cover above cylinder #1
Glow Plug 2 (Diesel)	Near the left side engine rocker cover above cylinder #2
Glow Plug 3 (Diesel)	Near the right side engine rocker cover above cylinder #3
Glow Plug 4 (Diesel)	Near the left side engine rocker cover above cylinder #4
Glow Plug 5 (Diesel)	Near the right side engine rocker cover above cylinder #5
Glow Plug 6 (Diesel)	Near the left side engine rocker cover above cylinder #6

(continued on Pg. B-47)

Electrical Component Locations (cont'd)

(continued from Pg. B-46)

Component Name	Location
Glow Plug 7 (Diesel)	Near the right side engine rocker cover above cylinder #7
Glow Plug 8 (Diesel)	Near the left side engine rocker cover above cylinder #8
Glow Plug Control Module (GPCM) (Diesel)	Left rear of the engine above the rocker cover to the left of the turbocharger
Headlamp - High Beam - Left	Left front of the vehicle
Headlamp - High Beam - Right	Right front of the vehicle
Headlamp - Low Beam - Left	Left front of the vehicle
Headlamp - Low Beam - Right	Right front of the vehicle
Headlamp and Panel Dimmer Switch	Left side of the I/P to the left side of the steering column
Heated Exygen Sensor (H02S) Bank 1 Sensor 1 (Gas)	Under the vehicle to the left side of the engine, in front of the catalytic converter
Heated Exygen Sensor (H02S) Bank 1 Sensor 2 (Gas)	Under the vehicle to the left side of the engine, behind the catalytic converter
Heated Exygen Sensor (H02S) Bank 2 Sensor 1 (Gas)	Under the vehicle to the right side of the engine, in front of the catalytic converter
Heated Exygen Sensor (H02S) Bank 2 Sensor 2 (Gas)	Under the vehicle to the right side of the engine, behind the catalytic converter
Heated Seat Element - Driver Back (AN3)	Under the driver seat back upholstery
Heated Seat Element - Driver Cushion (AN3)	Under the driver seat cushion upholstery
Heated Seat Element - Passenger Back (AN3)	Under the passenger seat back upholstery

(continued from column at left)

Component Name	Location
Heated Seat Element - Passenger Cushion (AN3)	Under the passenger seat cushion upholstery
Heated Seat Switch - Passenger (AN3)	Passenger door panel above the passenger door switch assembly
Heated Steering Wheel (KA9)	On the steering wheel
Heated Steering Wheel Control Module (KA9)	Lower left side of the steering wheel assembly behind the inflatable restraint steering wheel module
Hood Ajar Switch (AP3/AP8)	Part of the hood latch assembly
Horn - Left	Lower left front of the vehicle
Horn - Right (7Z1/YE9)	Lower right front of the vehicle
Horn Switch	In the steering wheel behind the inflatable restraint steering wheel module
HVAC Control Module	Center of the I/P below the radio
I/P Multifunction Switch Assembly (JL4/JF4/UD7/XA7)	Center of the I/P below the HVAC controls
Ignition Coil 1 (4.8L/5.3L/6.0L/6.3L)	Upper left side of the engine, at cylinder #1
Ignition Coil 2 (4.8L/5.3L/6.0L/6.3L)	Upper right side of the engine, at cylinder #2
Ignition Coil 3 (4.8L/5.3L/6.0L/6.3L)	Upper left side of the engine, at cylinder #3
Ignition Coil 4 (4.8L/5.3L/6.0L/6.3L)	Upper right side of the engine, at cylinder #4
Ignition Coil 5 (4.8L/5.3L/6.0L/6.3L)	Upper left side of the engine, at cylinder #5
Ignition Coil 6 (4.8L/5.3L/6.0L/6.3L)	Upper right side of the engine, at cylinder #6

(continued on Pg. B-48)

Electrical Component Locations (cont'd)

(continued from Pg. B-47)

Component Name	Location
Ignition Coil 7 (4.8L/5.3L/6.0L/6.3L)	Upper left side of the engine, at cylinder #7
Ignition Coil 8 (4.8L/5.3L/6.0L/6.3L)	Upper right side of the engine, at cylinder #8
Ignition Control Module (ICM) (4.3L)	Mounted to the right front of the intake manifold in front of the ignition coil
Ignition Switch	In the upper steering column on the ignition key cylinder housing
Inclination Sensor (SPO Alarm)	Behind the left I/P knee bolster on the floor heater duct
Inflatable Restraint Front Sensor - Left (10 Series)	Left front of the engine compartment on the lower radiator core support
Inflatable Restraint Front Sensor - Right (10 Series)	Right front of the engine compartment on the lower radiator core support
Inflatable Restraint Front Sensor (-10 Series)	Under the center of the radiator core support
Inflatable Restraint I/P Module	Right side of the I/P directly in front of the passenger seat
Inflatable Restraint I/P Module Disable Switch	In the I/P to the right of the radio
Inflatable Restraint Passenger Air Bag ON/OFF Indicator (AL0/C99)	Front of the passenger compartment in the overhead console
Inflatable Restraint Passenger Presence System (PPS) Module (AL0)	Under the front passenger seat
Inflatable Restraint Passenger Seat Belt Tension Sensor (AL0)	Part of the passenger seat belt buckle
Inflatable Restraint Roof Rail Module - Left (ASF)	Behind the left side of the headliner trim to the rear of the C-pillar
Inflatable Restraint Roof Rail Module - Right (ASF)	Behind the right side of the headliner trim to the rear of the C-pillar

(continued from column at left)

Component Name	Location
Inflatable Restraint Seat Position Sensor (SPS) - Left (10 Series)	Right front corner of the driver seat track assembly
Inflatable Restraint Sensing and Diagnostic Module (SDM)	Under the driver seat
Inflatable Restraint Side Impact Sensor (SIS) - Left Front (ASF)	Inside the driver door
Inflatable Restraint Side Impact Sensor (SIS) - Left Rear (ASF + Crew Cab/Extended Cab)	Inside the left rear door
Inflatable Restraint Side Impact Sensor (SIS) - Right Front (ASF)	Inside the passenger door
Inflatable Restraint Side Impact Sensor (SIS) - Right Rear (ASF + Crew Cab/Extended Cab)	Inside the right rear door
Inflatable Restraint Steering Wheel Module	On the steering wheel
Inflatable Restraint Steering Wheel Module Coil	In the steering column behind the steering wheel
Inflatable Restraint Vehicle Rollover Sensor (ASF)	Below the center console
Information Center Telltale Assembly (UD7)	Top rear of the passenger compartment above the rear window
Infrared Module (U42)	In the roof mounted DVD system
Input Speed Sensor (ISS) (M30/M70/MYC/MYD)	In the automatic transmission
Inside Air Temperature Sensor - Front (CJ2)	Left side of the headliner between A-pillar and B-pillar
Inside Rearview Mirror (ISRVM)	Mounted at the top center of the windshield

(continued on Pg. B-49)

Electrical Component Locations (cont'd)

(continued from Pg. B-48)

Component Name	Location
Instrument Panel Cluster	Left side of the I/P above the steering column
Intake Air Heater (1AH) Module (Diesel)	Mounted at the front of the engine center
Intake Air Temperature (IAT) Sensor 2 (Diesel)	On the top front middle of the engine
Intake Air Valve (Diesel)	On the top right front of the engine
Internal Mode Switch (MYC/MYD)	In the automatic transmission
Junction Block - Left I/P	Lower left side of instrument panel to the left of the steering column
Junction Block - Rear Lamps	Inside of the left frame rail near the rear of the vehicle
Junction Block - Right I/P	Right side of the I/P behind the end trim panel
Knock Sensor (KS) - 1 (Gas)	Lower left side of engine
Knock Sensor (KS) - 2 (Gas)	Lower right side of engine
License Lamp - Left	Left center of the rear bumper
License Lamp - Right	Right center of the rear bumper
Line Pressure Control (PC) Solenoid (MYC/MYD)	Part of the automatic transmission
Manifold Absolute Pressure (MAP) Sensor	Top of the engine above intake manifold
Marker Lamp - Left Front (Z88)	Left front of the vehicle
Marker Lamp - Left Rear (Z88)	Part of the left rear tail lamp assembly
Marker Lamp - Right Front (Z88)	Right front of the vehicle
Marker Lamp - Right Rear (Z88)	Part of the right rear tail lamp assembly
Marker Lamp - Tailgate (R05)	Below the tailgate directly above the license plate

(continued from column at left)

Component Name	Location
Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (Gas)	Right front of the engine compartment, in the air cleaner duct
Mass Air Flow (MAF)/Intake Air Temperature (IAT) Sensor (Diesel)	Right front of the engine compartment, in the air cleaner duct
Memory Seat Module (AN3)	Under the front of the driver seat above the seat track
Memory/Heated Seat Switch (AN3)	Driver door panel above the driver door switch assembly
Mod Main Pressure Control Solenoid (MW7)	In the automatic transmission
Mode Actuator	Left side of the HVAC module assembly
Mobile Radio Blunt Cut (9L4)	Below the center of the I/P
Noise Compensation Microphone (Y91)	Inside the center console
Object Sensor - Left Rear Corner (UD7)	Left rear corner of the bumper cover
Object Sensor - Left Rear Middle (UD7)	Left side of the bumper cover
Object Sensor - Right Rear Corner (UD7)	Right rear corner of the bumper cover
Object Sensor - Right Rear Middle (UD7)	Right side of the bumper cover
Output Speed Sensor (OSS) (MYC/MYD)	In the automatic transmission
Outside Moisture Sensor (CE1)	Mounted to the windshield near the inside rearview mirror
Outside Rearview Mirror - Driver (-DL3)	On the left front door
Outside Rearview Mirror - Driver (+DL3)	On the left front door

(continued on Pg. B-50)

Electrical Component Locations (cont'd)

(continued from Pg. B-49)

Component Name	Location
Outside Rearview Mirror - Passenger (-DL3)	On the right front door
Outside Rearview Mirror - Passenger (+DL3)	On the right front door
Outside Rearview Mirror Switch (-DL3)	In the left front door trim panel
Park Brake Switch	Under the driver side I/P mounted to the park brake pedal assembly
Park/Neutral Position (PNP) Switch (M30/M70)	Mounted to the left front of the transmission, at the shift shaft
Park/Turn Signal Lamp - Left Front Lower	Left front of the vehicle
Park/Turn Signal Lamp - Left Front Upper	Left front of the vehicle
Park/Turn Signal Lamp - Right Front Lower	Right front of the vehicle
Park/Turn Signal Lamp - Right Front Upper	Right front of the vehicle
Passenger Door Switch (PDS) (AN3/DL3)	Mounted to the passenger door trim panel
Power Brake Booster (JL4)	Left rear corner of the engine compartment near the master cylinder
Power Take Off Blunt Cut (PTO)	--
Power Take off (PTO) Module (PTO)	On the right side outer frame rail, near the right front tire
Power Take off (PTO) Relay (PTO)	In the engine compartment
Power Take off (PTO) Switch (PTO)	Center of the I/P to the right of the radio
Pressure Control (PC) Solenoid Valve (M30/M70)	In the automatic transmission

(continued from column at left)

Component Name	Location
Pressure Control Solenoid 1 (PCS1) (MW7)	In the automatic transmission
Pressure Control Solenoid 2 (PCS2) (MW7)	In the automatic transmission
Pressure Control (PC) Solenoid 2 (MYC/MYD)	Part of the automatic transmission
Pressure Control (PC) Solenoid 3 (MYC/MYD)	Part of the automatic transmission
Pressure Control (PC) Solenoid 4 (MYC/MYD)	Part of the automatic transmission
Pressure Control (PC) Solenoid 5 (MYC/MYD)	Part of the automatic transmission
Pressure Switch Manifold (PSM) (MW7)	In the automatic transmission
Radio	Center of the I/P
Rear Object Control Module (UD7)	Under the right front seat
Rear Seat Audio (RSA) Controller (UK6)	Rear of the center console
Recirculation Actuator (CJ2/C67)	Top of the HVAC module on the right side
Remote Control Door Lock Receiver (RCDLR) (AP3/AP8)	Top rear of the passenger compartment above the rear window
Rof Beacon Switch (5X7/5Y0/TRW)	In the overhead console
Roof Beacon Relay (TRW)	Behind the overhead console, near the top
Roof Marker Lamp - Left (U01)	On the left side of the roof, above the windshield
Roof Marker Lamp - Right (U01)	On the right side of the roof, above the windshield

(continued on Pg. B-51)

Electrical Component Locations (cont'd)

(continued from Pg. B-50)

Component Name	Location
Roof Mounted Beacon Blunt Cuts (TRW)	Behind the overhead console, on the right
Rotational Position Sensor (NQH)	Mounted to the transfer case
Run Relay (TP2)	At the right rear of the engine compartment, near the underhood fuse holder
Seat Adjuster Assembly - Driver (AG1)	Below the driver seat mounted to the seat track
Seat Adjuster Assembly - Passenger (AG2)	Below the passenger seat mounted to the seat track
Seat Adjuster Switch - Driver (AG1)	Lower left side of the driver seat
Seat Adjuster Switch - Passenger (AG2)	Lower right side of the passenger seat
Seat Belt Buckle - Driver	Right rear corner of the driver seat cushion frame
Seat Belt Buckle - Passenger (10 Series)	Left rear corner of the passenger seat cushion frame
Seat Belt Pretensioner - Driver	Part of the driver seat belt retractor assembly
Seat Belt Pretensioner - Passenger	Part of the passenger seat belt retractor assembly
Seat Front Vertical Motor - Driver (AG1)	Part of the seat adjuster assembly - driver
Seat Front Vertical Motor - Passenger (AG2)	Part of the seat adjuster assembly - passenger
Seat Front Vertical Motor Position Sensor (AN3)	Under the driver seat, toward the middle
Seat Horizontal Motor - Driver (AG1)	Part of the seat adjuster assembly - driver

(continued from column at left)

Component Name	Location
Seat Horizontal Motor - Passenger (AG2)	Part of the seat adjuster assembly - passenger
Seat Horizontal Motor Position Sensor - Driver (AN3)	Under the driver seat, toward the front
Seat Lumbar Horizontal Motor - Driver (AN3)	In the driver seat back, on the left
Seat Lumbar Horizontal Motor - Passenger (AN3)	In the passenger seat back, on the right
Seat Lumbar Horizontal Motor Position Sensor- Driver (AN3)	In the driver seat back, on the left
Seat Lumbar Switch - Driver (AN3)	Lower left side of the driver seat
Seat Lumbar Switch - Passenger (AN3)	Lower right side of the passenger seat
Seat Lumbar Vertical Motor - Driver (AN3)	In the driver seat back, on the right
Seat Lumbar Vertical Motor - Passenger (AN3)	In the passenger seat back, on the left
Seat Lumbar Vertical Motor Position Sensor- Driver (AN3)	In the driver seat back, on the right
Seat Rear Vertical Motor - Driver (AG1)	Part of the seat adjuster assembly - driver
Seat Rear Vertical Motor - Driver (AG2)	Part of the seat adjuster assembly - passenger
Seat Recline Motor - Driver (AN3)	Lower right side of the driver seat back, below the seat back upholstery
Seat Recline Motor - Passenger (AN3)	Lower right side of the passenger seat back, below the seat back upholstery
Seat Recline Position Sensor - Driver (AN3)	Lower right side of the driver seat back, below the seat back upholstery

(continued on Pg. B-52)

Electrical Component Locations (cont'd)

(continued from Pg. B-51)

Component Name	Location
Security Indicator Lamp (SPO Alarm)	--
Shift Solenoid 1 (SS1) (MW7)	In the automatic transmission
Shift Solenoid 2 (SS2) (MW7)	In the automatic transmission
Shift Solenoid 3 (SS3) (MW7)	In the automatic transmission
Shift Solenoid (SS) 1 (MYC/MYD)	Part of the automatic transmission
Shift Solenoid (SS) 2 (MYC/MYD)	Part of the automatic transmission
Shock Sensor (SPO Alarm)	Under the left side of the I/P
Sliding Rear Window Close Relay (A48)	On the right rear of the cab wall, behind the trim panel
Sliding Rear Window Motor (A48)	Below the rear window
Sliding Rear Window Open Relay (A48)	On the right rear of the cab wall, behind the trim panel
Sliding Rear Window Switch (A48)	In the overhead console
Speaker - Center (UQA +Y91)	In the center of the upper I/P pad
Speaker - Left Front	Behind the left front door trim panel
Speaker - Left Front Tweeter (UQ3/UQA)	Behind the left A-pillar trim panel
Speaker - Left Rear (Regular Cab)	Behind the left B-pillar trim panel
Speaker - Left Rear Door (Extended Cab/Crew Cab)	Behind the left rear door trim panel
Speaker - Right Front	Behind the passenger door trim panel
Speaker - Right Front Tweeter (UQ3/UQA)	Behind the right A-pillar trim panel
Speaker - Right Rear (Regular Cab)	Behind the right B-pillar trim panel
Speaker - Right Rear Door (Extended Cab/Crew Cab)	Behind the right rear door trim panel
Starter	Lower right corner of the engine

(continued from column at left)

Component Name	Location
Steering Angle Sensor (JL4)	Mounted to the steering column below the shift interlock slenoid
Steering Wheel Control Switch Assembly - Left (K34/KA9)	Left center of the steering wheel to the left of the inflatable restraint steering wheel module
Steering Wheel Control Switch Assembly - Right (UK3)	Right center of the steering wheel to the right of the inflatable restraint steering wheel module
Stop Lamp Switch	Top of the brake pedal assembly
Sunroof Module (CF5)	Front of the passenger compartment above the headliner
Sunroof Switch (CF5)	Front of the passenger compartment in the overhead console
Sunshade - Left (DH6)	Front left roof line mounted to the headliner
Sunshade - Right (DH6)	Front right roof line mounted to the headliner
Tail/Stop and Turn Signal Lamp - Lower Left	Left rear of the vehicle
Tail/Stop and Turn Signal Lamp - Lower Right	Right rear of the vehicle
Tail/Stop and Turn Signal Lamp - Upper Left	Left rear of the vehicle
Tail/Stop and Turn Signal Lamp - Upper Right	Right rear of the vehicle
Terminator Resister	In the chassis harness on the left rear chassis crossmember near the evaporative emissions canister
Theft Deterrent Control Module	Right side of the steering column near the ignition key cylinder

(continued on Pg. B-53)

Electrical Component Locations (cont'd)

(continued from Pg. B-52)

Component Name	Location
Throttle Body (Gas)	Mounted to the front of the intake manifold
Torque Converter Clutch (TCC) Solenoid Valve (M30/M70)	In the automatic transmission
Torque Converter Clutch Pressure Control Solenoid (TCC PCS) (MW7)	In the automatic transmission
Torque Converter Clutch Pulse Width Modulation (TCC PWM) Solenoid Valve (M30/M70)	In the automatic transmission
Torque Converter Clutch (TCC) Pressure Control (PC) Solenoid (MYC/MYD)	Part of the automatic transmission
Tow/Haul Switch (M30/M70/MYC/MYD/MW7)	Part of the automatic transmisison shift lever
Traction Control Switch (JL4)	Center of the I/P near the radio, part of the I/P multifunction switch assembly
Trailer Blunt Cut (Export)	--
Trailer Brake Blunt Cut (Domestic)	Under the left side of the I/P, taped to the BCM wiring
Trailer Brake Control Panel Switch (JL1)	Lower left side of the I/P
Trailer Brake Controller Module (TBCM) (JL1 +20/30 Series)	On the left side inner frame rail, near the rear of the vehicle
Trailer Brake Controller Module (TBCM) (JL1 +31 Series)	On the right side inner frame rail, near the rear of the vehicle
Trailer Brake Controller Solid State Relay (JL1 +20/30 Series)	On the left side inner frame rail, near the rear of the vehicle
Trailer Brake Controller Solid State Relay (JL1 +31 Series)	On the right side inner frame rail, near the rear of the vehicle

(continued from column at left)

Component Name	Location
Trailer Connector (UY7)	Rear of the vehicle, to the left of the license plate
Transfer Case Encoder Motor (NQF/NQH)	Mounted to the transfer case
Transfer Case Shift Control Module (NQF/NQH)	Lower left side of the I/P near the steering column
Transfer Case Shift Control Switch (NQF/NQH -YE9)	Center of the I/P, to the left of the radio
Transfer Case Shift Control Switch (NQF/NQH +YE9)	Left side of the I/P, to the left of the steering wheel
Transfer Case Shift Control Switch (NQG/NP2)	On top of the transfer case
Transmission Control Module (TCM) (M30/M70/MW7)	Left front of the engine compartment near the fan shroud
Transmission Control Module (TCM) (MYC/MYD)	Part of the automatic transmission
Transmission Fluid Pressure (TFP) Switch (MYC/MYD)	Part of the automatic transmission
Transmission Fluid Temperature (TFT) Sensor (MYC/MYD)	Part of the automatic transmission
Transmission Internal Mode Switch (MW7)	In the automatic transmission
Turbocharger Vane Position Control Solenoid Valve (Diesel)	On the top center of the engine
Turbocharger Vane Position Sensor (Diesel)	On the top left front of the engine
Turn Signal Malfunction Switch	Mounted to the left side of the steering column behind the steering wheel

(continued on Pg. B-54)

Electrical Component Locations (cont'd)

(continued from Pg. B-53)

Component Name	Location
Valve Lifter Oil Manifold (VLOM) Assembly (5.3L/6.0L/6.2L)	Mounted in the valve lifter valley below the intake manifold
Vehicle Communication Interface Module (VCIM) (UE1 +YE9)	Center of the I/P, behind the HVAC control head
Vehicle Communication Interface Module (VCIM) (UE1 -YE9)	Center of the I/P, below the lower center I/P Panel
Vehicle Speed Sensor (VSS) (M30/M70/MYD/MW7)	In the tailshaft housing of the transmission
Video Display (U42)	In the headliner between the front and second row seating
Washer Fluid Level Switch	Mounted in bottom of the washer fluid reservoir
Water In Fuel Sensor (Diesel)	Bottom of the fuel filter on the right side of the engine
Wheel Speed Sensor (WSS) - Left Front (JL4/JF3/JF7/JH6/JH7)	Mounted to the left front steering knuckle assembly
Wheel Speed Sensor (WSS) - Left Rear (JL4)	Mounted to the left rear brake backing plate
Wheel Speed Sensor (WSS) - Right Front (JL4/JF3/JF7/JH6/JH7)	Mounted to the right front steering knuckle assembly
Wheel Speed Sensor (WSS) - Right Rear (JL4)	Mounted to the left rear brake backing plate
Window Motor - Driver (A31)	Inside the driver door mounted to the window regulator, to the rear of the door speaker
Window Motor - Left Rear (Crew Cab +31/Extended Cab +ABV)	Inside the left rear door mounted to the window regulator, above the door speaker
Window Motor - Passenger (A31)	Inside the passenger door mounted to the window regulator, to the rear of the door speaker
Window Motor - Right Rear (Crew Cab +31/Extended Cab +ABV)	In the right rear door mounted to the window regulator
Window Switch - Driver (A31 -AN3/DL3)	In the left front door trim panel
Window Switch - Left Rear (Crew Cab +31/Extended Cab +ABV)	In the left rear door trim panel
Window Switch - Passenger (A31 -AN3/DL3)	In the right front door trim panel
Window Switch - Right Rear (Crew Cab +31/Extended Cab +ABV)	In the right rear door trim panel
Windshield Washer Fluid Pump	Left front corner of the engine compartment mounted in the bottom of the windshield washer fluid reservoir
Windshield Washer Solvent Heater (XA7)	Left rear corner of the engine compartment
Windshield Wiper Motor	Under the windshield cowl between the wiper arms
Wrecker Relay (5X7)	In the right rear corner of the engine compartment, above the right front wheel house
Yaw Rate and Lateral Acceleration Sensor (JL4)	Under the center console trim panel

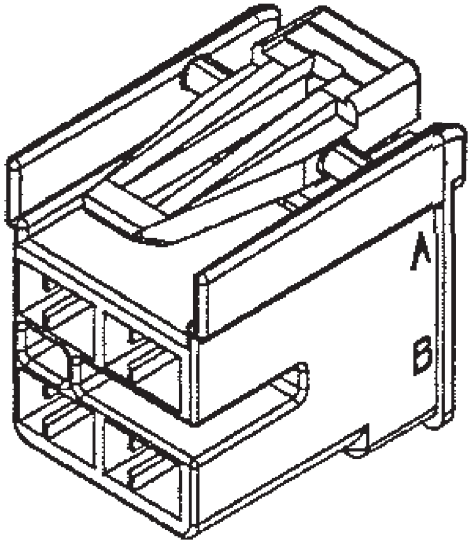
Upfitter Connector X5 in Left I/P Junction Block

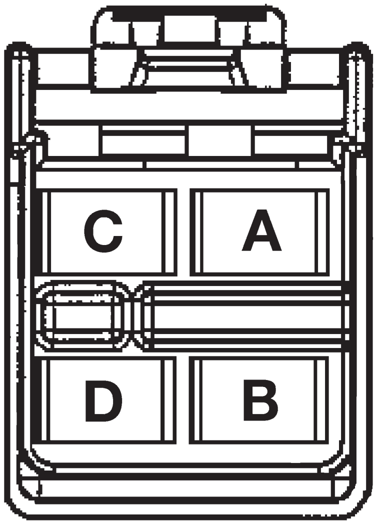
Mating Connector Part Information

Connector	4-Way Metri-Pack 280 Series (CRM)
OEM	12194033
Color	**CRM**

Junction Block – Left I/P – X5	Wire Color	Circuit No.	Function
A	D-GN/WH	817	Vehicle Speed Signal 4KPPM
B	– –	– –	Not Used
C	D-GN	5060	Low Speed GMLAN Serial Data
D	RD/BK	4550	15A BATT

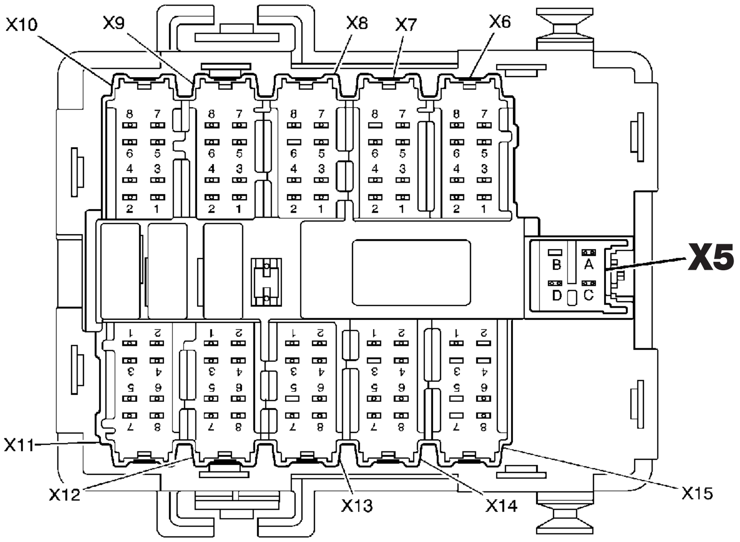
Note: Keying for Connector 12194033 is shown in part drawing as type 103





Left I/P Junction Block Location

Junction Block-Left I/P, Top View

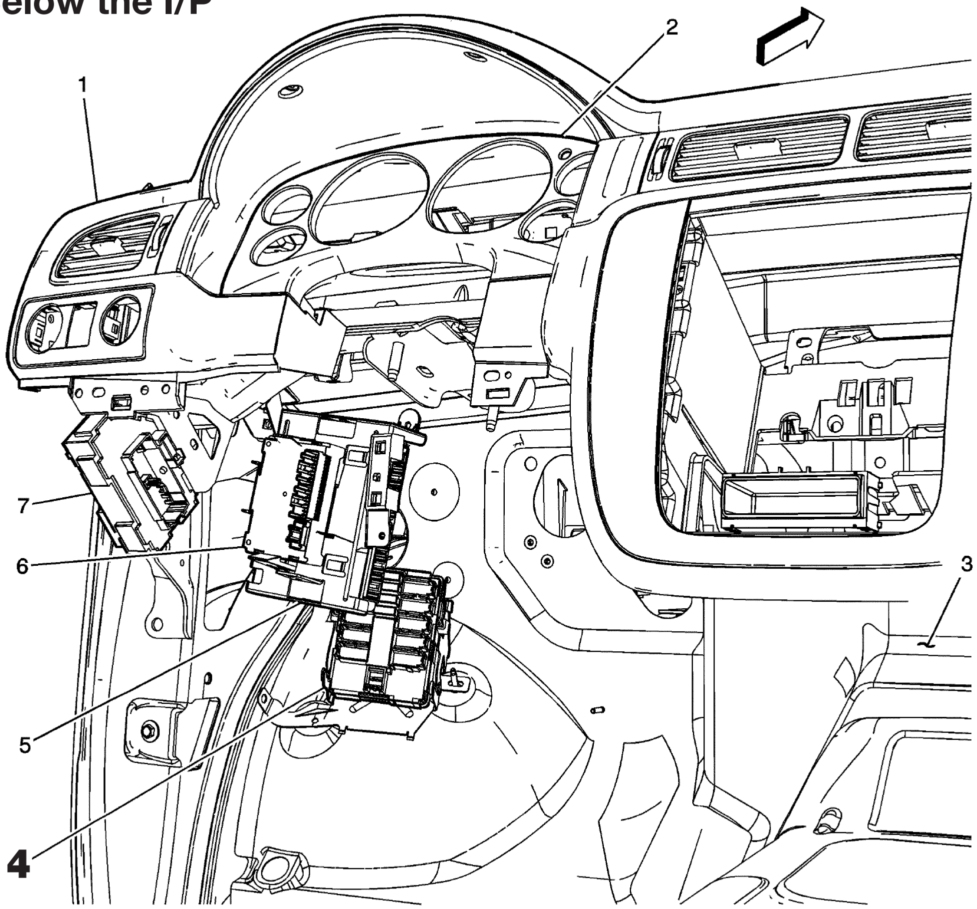


Circuit Breakers

CB1 = RT DOORS . . . . (25A)
CB2 = PASS SEAT 1 . . . . (25A)
CB3 = DRIVER SEAT 2 . . . . (25A)
CB4 = PWR REAR WNDW . . . . (25A)

Junction Block - Left I/P, Device Usage		
Device	**Rating**	**Description**
DRIVER SEAT 2 Circuit Breaker	25A	Memory Seat Module (AN3), Seat Adjuster Switch-Driver (AG1 Except AN3)
PASS SEAT 1 Circuit Breaker	25A	Seat Adjuster Switch-Passenger, Seat Lumbar Switch-Passenger (AN3)
PWR REAR WDW Circuit Breaker	25A	Not Used
RT DOORS Circuit Breaker	25A	Passenger Door Module (PDM), Window Switch-RR

Below the I/P



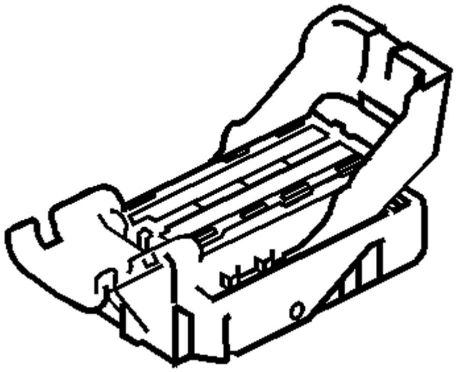
(1) I/P Trim
(2) I/P Cluster Trim
(3) Floor Panel
(4) Junction Block - Left I/P
(5) Body Control Module (BCM)
(6) Transfer Case Shift Control Module
(7) Fuse Block - I/P

1888353

Engine Control Module (ECM): LU3 – 4.3L Gas – Connector X-1

OEM: 15499466
Service: 88988931
Description: 73-Way F Receptacle 0.64 2.8 Sealed (BK)

Pin	Wire Color	Circuit No.	Function
1	0.35 D-BU	1161	APP Sensor 1 Signal
2	0.5 PU	1670	HO2S High Signal Bank 2 Sensor 2
3	0.5 D-BU	5985	Accessory Wakeup Serial Data
4	--	--	Not Used
5	0.35 D-GN	335	Low Speed Cooling Fan Relay Control
6	0.35 D-GN/WH	465	Fuel Pump Relay Control-Primary
7	--	--	Not Used
8	0.35 TN	5514	Low Reference (CJ2/C67)
9	0.5 TN/WH	1669	HO2S Low Signal Bank 1 Sensor 2
10	0.5 TN	1671	HO2S Low Signal Bank 2 Sensor 2
11-12	--	--	Not Used
13	0.35 YE	5991	Powertrain Relay Coil Control
14	--	--	Not Used
15	0.5 GY/WH	3122	HO2S Heater Low Control Bank 1 Sensor 2
16	0.5 OG/WH	3223	HO2S Heater Low Control Bank 2 Sensor 2
17	0.5 PU/WH	1668	HO2S High Signal Bank 1 Sensor 2
18	0.35 L-BU	1162	APP Sensor 2 Signal
19	0.5 PK	439	Ignition 1 Voltage
20	0.5 RD/WH	440	Battery Positive Voltage
21	0.35 PU	1272	Low Reference
22-23	--	--	Not Used



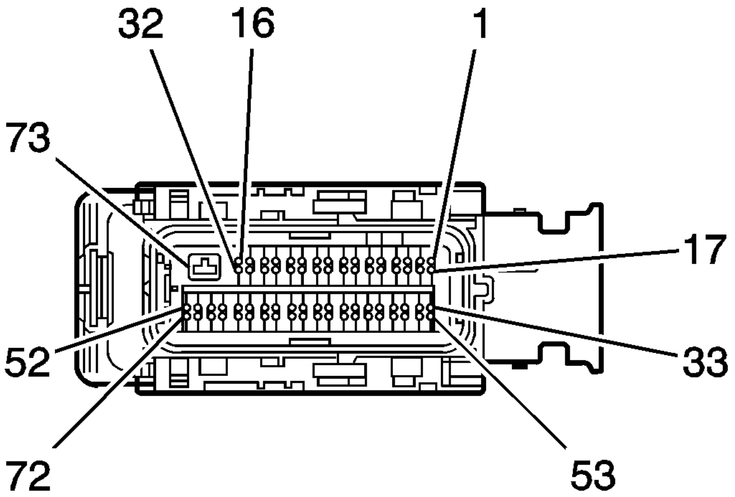


chart continued on next page

Engine Control Module (ECM): LU3 – 4.3L Gas – Connector X-1 (continued)

chart continued from previous page

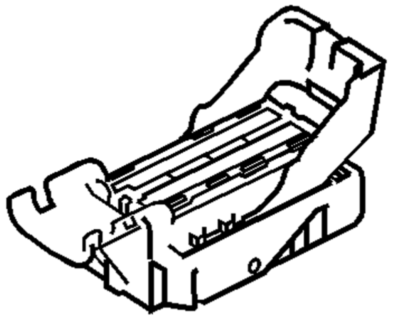
Pin	Wire Color	Circuit No.	Function
24	0.35 TN/BK	6049	Low Reference
25	0.35 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (CJ2/C67)
26	0.5 GY/BK	1694	4WD Low Signal (NQG/NP2)
27	0.35 BN/WH	419	MIL Control
28-29	--	--	Not Used
30	0.35 D-GN/WH	459	A/C Compressor Clutch Relay Control (CJ2/C67)
31	--	--	Not Used
32	0.35 YE/BK	625	Starter Relay Coil Control
33-34	--	--	Not Used
35	0.5 TN	2760	Low Reference
36	--	--	Not Used
37	0.5 YE	492	MAF Sensor Signal
38	--	--	Not Used
39	0.35 PU	1589	Fuel Level Sensor Signal - Primary
40	--	--	Not Used
41	0.35 BN	1271	Low Reference
42	0.35 D-GN	890	Fuel Tank Pressure Sensor Signal
43	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus+
44	0.5 TN	2501	High Speed GMLAN Serial Data Bus-

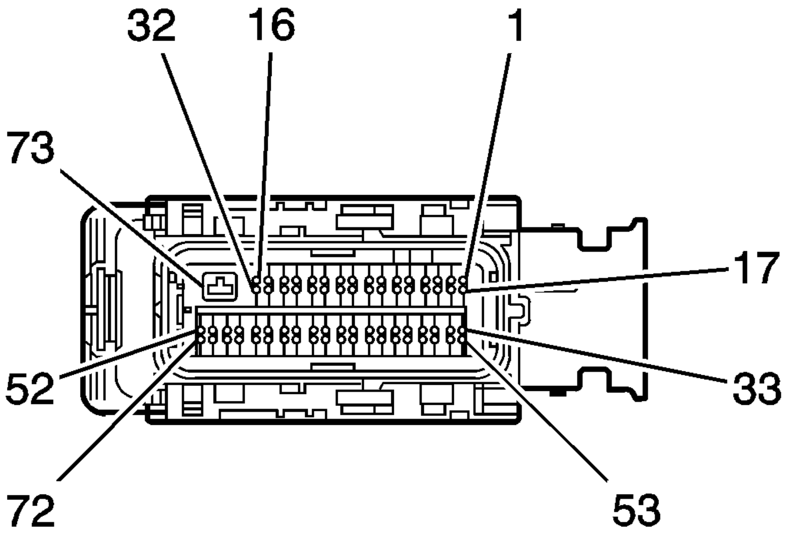
Pin	Wire Color	Circuit No.	Function
45-46	--	--	Not Used
47	0.35 WH/BK	1164	5V-2
48	--	--	Not Used
49	0.35 D-BU	473	High Speed Cooling Fan Relay Control
50	0.35 YE/BK	1827	Vehicle Speed Signal
51-53	--	--	Not Used
54	0.35 OG/BK	6399	Replicated TOS Signal
55	0.5 L-BU/WH	6311	TCC Brake Signal
56	--	--	Not Used
57	0.35 OG/BK	1786	Park/Neutral Signal
58	0.5 TN	472	IAT Sensor Signal
59-64	--	--	Not Used
65	0.35 GY	2700	5V-1
66	0.35 GY	2709	5V-1
67	0.35 TN	1274	5V-1
68-69	--	--	Not Used
70	0.5 WH	1310	EVAP Canister Vent Solenoid Control
71	--	--	Not Used
72	0.5 TN/WH	1695	Axle Switch Signal (NQG/NP2)
73	0.5 PK	1339	Ignition 1 Voltage

Engine Control Module (ECM): LU3 – 4.3L Gas – Connector X-2

OEM: 15497996
Service: 88988372
Description: 73-Way F 0.64 2.8 Series Sealed (BK)

Pin	Wire Color	Circuit No.	Function
1-3	--	--	Not Used
4	0.5 TN	2761	Low Reference
5	0.35 GY/BK	6272	Low Reference
6	0.5 TN	1744	Fuel Injector 1 Control
7	0.5 YE/BK	846	Fuel Injector 6 Control
8	0.5 TN/WH	845	Fuel Injector 5 Control
9	0.5 BN	2129	Low Reference
10	0.5 L-BU/BK	844	Fuel Injector 4 Control
11	0.5 PK/BK	1746	Fuel Injector 3 Control
12	0.5 L-GN/BK	1745	Fuel Injector 2 Control
13	0.5 GY	2704	5V-1
14-15	--	--	Not Used
16	0.5 YE	581	TAC Motor Control - 1
17-19	--	--	Not Used
20	0.35 BN	6266	Low Reference
21	--	--	Not Used
22	0.5 PU	2121	IC 1 Control
23	0.5 L-BU	2123	IC 3 Control
24	0.5 OG/WH	2122	IC 2 Control
25-29	--	--	Not Used
30	0.5 D-GN/WH	428	EVAP Canister Purge Solenoid Control





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Engine Control Module (ECM): LU3 – 4.3L Gas – Connector X-2 (continued)

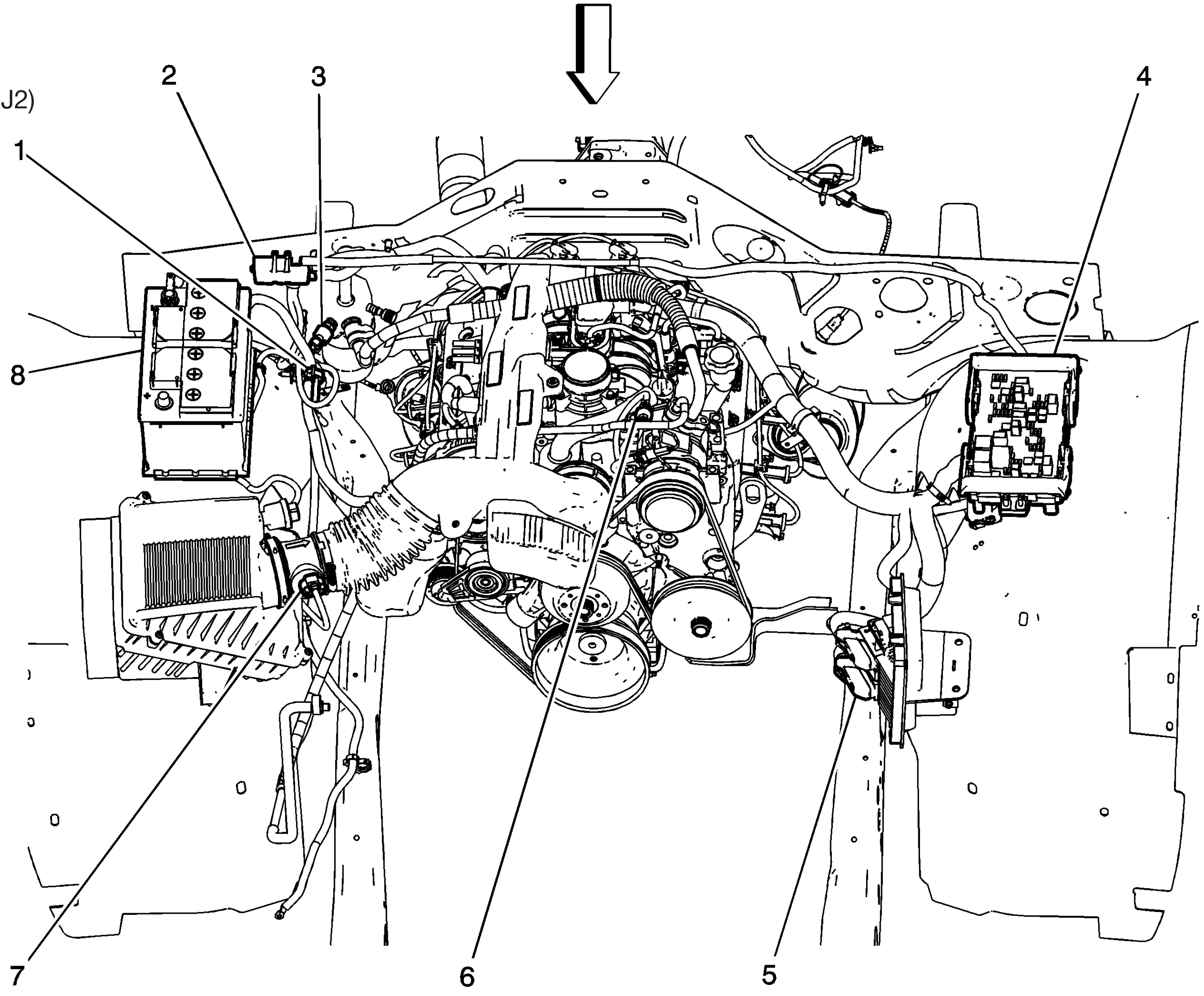
chart continued from previous page

Pin	Wire Color	Circuit No.	Function
31	0.5 BN	25	Charge Indicator Signal
32	0.5 BN	582	TAC Motor Control - 2
33	0.35 D-BU	6259	5V-1
34	--	--	Not Used
35	0.35 GY	2705	5V-1
36	0.35 TN/WH	331	Oil Pressure Sensor Signal
37	0.5 PU/WH	1665	HO2S High Signal Bank 1 Sensor 1
38	0.5 PU	1666	HO2S High Signal Bank 2 Sensor 1
39	0.5 L-GN	432	MAP Sensor Signal
40	0.35 TN	2752	Low Reference
41	0.35 BK	2755	Low Reference
42	--	--	Not Used
43	0.5 GY	23	Generator Field Duty Cycle Signal
44	--	--	Not Used
45	0.35 WH/BK	6271	CKP Sensor Signal
46	0.35 D-BU/WH	6265	CMP Sensor Signal
47	--	--	Not Used
48	0.5 TN	1664	HO2S Low Signal Bank 1 Sensor 1
49	0.5 OG/BK	469	Low Reference

Pin	Wire Color	Circuit No.	Function
50	0.5 GY	1716	KS 1 Signal
51	0.5 D-BU	496	KS 1 Signal
52	--	--	Not Used
53	0.35 GY	2701	5V-2
54	0.35 PU/WH	6270	5V-2
55-56	--	--	Not Used
57	0.35 D-GN	485	TP Sensor 1 Signal
58	0.5 YE	410	ECT Sensor Signal
59	0.35 PU	486	TP Sensor 2 Signal
60-64	--	--	Not Used
65	0.5 GY/WH	3113	HO2S Heater Low Control Bank 1 Sensor 1
66	0.5 L-GN	3212	HO2S Heater Low Control Bank 2 Sensor 1
67	--	--	Not Used
68	0.5 TN	1667	HO2S Low Signal Bank 2 Sensor 1
69	--	--	Not Used
70	0.5 GY	2303	KS 2 Signal
71	0.5 L-BU	1876	KS 2 Signal
72	--	--	Not Used
73	3 BK/WH	451	Ground

Engine Control Module (ECM): LU3 – 4.3L Gas – Location

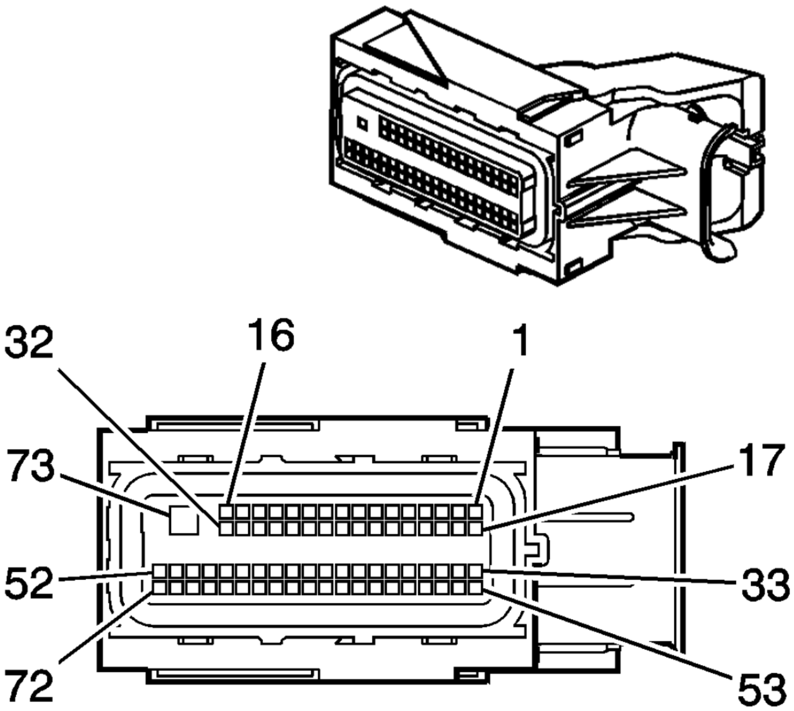
(1) Battery Current Sensor
(2) Mega Fuse
(3) A/C Low Pressure Switch (C67/CJ2)
(4) Fuse Block – Underhood
(5) Engine Control Module (ECM)
(6) A/C Refrigerant Pressure Sensor (C67/CJ2)
(7) Mass Airflow (MAF)/Intake Air Temperature (IAT) Sensor
(8) Battery – Right



Engine Control Module (ECM) – 4.8L, 5.3L, 6.0L, & 6.2L Gas – Connector X-1

Connector:	73-Way F Receptable 0.64 Sealed (BK)
O.E.M.:	15499466
Color:	**BLK**
Service:	88988931

Pin	Wire Color	Circuit No.	Function
1	OG/BK	1786	Park/Neutral Signal
2	GY/BK	1694	4WD Low Signal
3-8	— —	— —	Not Used
9	L-BU/WH	6311	Cruise/ETC/TCC Brake Signal
10	PU/WH	1668	HO2S High Signal [- Bank 1 Sensor X]
11	TN/WH	1669	HO2S Low Signal [- Bank 1 Sensor X]
12	OG/BK	380	A/C Refrigerant Pressure Sensor Signal
13	TN	5514	Low Reference
14-15	— —	— —	Not Used
16	PU	1589	Fuel Level Sensor Signal [- Primary]
17	D-BU/WH	473	High Speed Cooling Fan Relay Control
18	D-BU	5985	Accessory Wakeup Serial Data
19	PK	439	Ignition 1 Voltage
20	RD/WH	440	Battery Positive Voltage
21-22	— —	— —	Not Used
23	PU	1272	Low Reference
24	D-GN	890	Fuel Tank Pressure Sensor Signal
25-26	— —	— —	Not Used
27	TN	2501	High Speed GMLAN Serial Data Bus –
28	TN/BK	2500	High Speed GMLAN Serial Data Bus +
29	D-BU	1161	APP Sensor 1 Signal
30	BN	1271	Low Reference
31	TN/BK	6049	Fuel Tank Sensor Low Reference
32	L-BU	1162	APP Sensor 2 Signal
33	GY	2709	5-Volt Reference
34	GY/WH	2700	A/C Pressure Sensor 5-Volt Reference
35	— —	— —	Not Used



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Engine Control Module (ECM) – 4.8L, 5.3L, 6.0L, & 6.2L Gas – Connector X-1 (continued)

chart continued from previous page

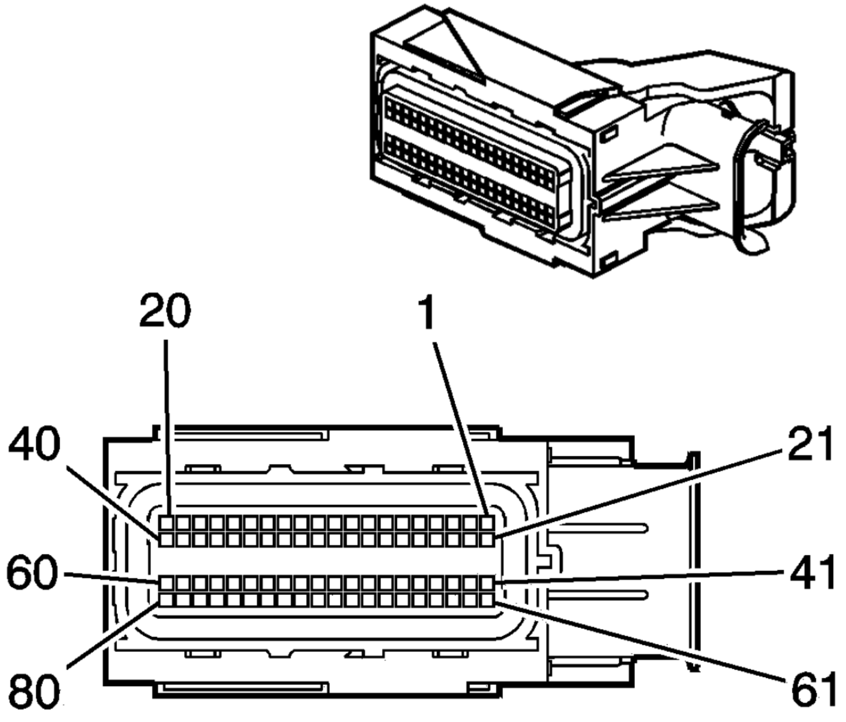
Pin	Wire Color	Circuit No.	Function
36	TN	1274	5-Volt Reference
37	TN/BK	472	IAT Sensor Signal
38	TN	2760	Low Reference
39-40	— —	— —	Not Used
41	YE	492	MAF Sensor Signal
42-46	— —	— —	Not Used
47	PK/BK	1339	Ignition 1 Voltage
48	— —	— —	Not Used
49	TN	1671	HO2S Low Signal [- Bank 2 Sensor 2]
50	D-GN/WH	465	Fuel Pump Relay Control [- Primary]
51	TN	1465	Fuel Pump Relay Control [- Secondary]
52	YE/BK	625	Starter Enable Relay Control
53-55	— —	— —	Not Used
56	WH/BK	1164	5-Volt Reference
57	YE/BK	1827	Vehicle Speed Signal
58	D-GN	335	Low Speed Cooling Fan Relay Control

Pin	Wire Color	Circuit No.	Function
59	YE	5991	Powertrain Relay Coil Control
60	— —	— —	Not Used
61	WH	1310	EVAP Canister Vent Solenoid Control
62	— —	— —	Not Used
63	D-GN/WH	459	A/C Compressor Clutch Relay Control
64	OG/WH	3223	HO2S Heater Low Control (Bank 2 Sensor 2)
65	GY/WH	3122	HO2S Heater Low Control [- Bank 2 Sensor 1]
66-67	— —	— —	Not Used
68	BN/WH	419	MIL Control
69	PU	1670	HO2S High Signal [- Bank 2 Sensor 2]
70	L-BU	1937	Secondary Fuel Level Sensor Signal
71	OG/BK	6399	Replicated TOS Signal
72	— —	— —	Not Used
73	BK/WH	451	Ground

Engine Control Module (ECM) – 4.8L, 5.3L, 6.0L, & 6.2L Gas – Connector X-2

Connector:	80-Way F Receptacle 0.64 2.8 Sealed (GY)
O.E.M.:	13511426
Color:	**GY**
Service:	19115670

Pin	Wire Color	Circuit No.	Function
1	– –	– –	Not Used
2	PU/WH	6270	5-Volt Reference
3	GY	2701	5-Volt Reference
4	– –	– –	Not Used
5	BN	582	TAC Motor Control - 2
6	YE	581	TAC Motor Control - 1
7	– –	– –	Not Used
8	D-GN/WH	428	EVAP Canister Purge Solenoid Control
9	GY	5493	Cylinder Shutoff Solenoid Control (3)
10	D-BU	5491	Cylinder Shutoff Solenoid Control (1)
11	OG	5494	Cylinder Shutoff Solenoid Control (4)
12	GY/WH	3113	HO2S Heater Low Control [- Bank 1 Sensor 1]
13	L-GN	3212	HO2S Heater Low Control [- Bank 2 Sensor 1]
14	L-GN/BK	5492	Cylinder Shutoff Solenoid Control (2)
15	– –	– –	Not Used
16	PU	5284	Camshaft Actuator Solenoid Control (AFM)
17	D-BU/WH	878	Fuel Injector 8 Control
18	TN/WH	845	Fuel Injector 5 Control
19	YE/BK	846	Fuel Injector 6 Control
20	TN	1744	Fuel Injector 1 Control
21	YE	410	ECT Sensor Signal
22	TN	2761	Low Reference
23-25	– –	– –	Not Used
26	D-BU	496	Knock Sensor [1] Signal



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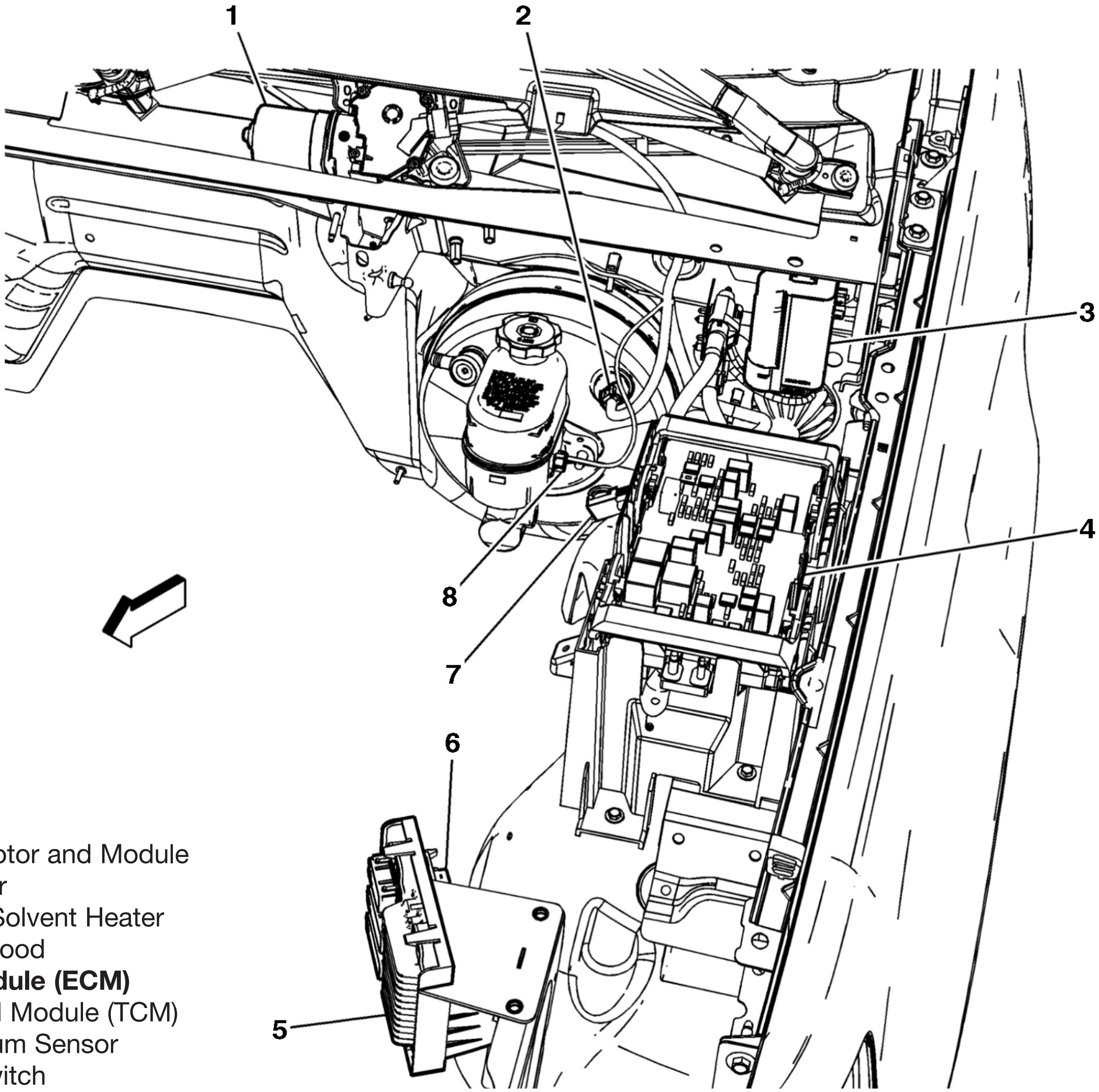
Engine Control Module (ECM) – 4.8L, 5.3L, 6.0L, & 6.2L Gas – Connector X-2 (continued)

chart continued from previous page

Pin	Wire Color	Circuit No.	Function
27	GY	1716	Low Reference
28	— —	— —	Not Used
29	L-BU	1876	Knock Sensor 2 Signal
30	GY	2303	Low Reference
31	— —	— —	Not Used
32	GY	23	Generator Field Duty Cycle Signal
33	BN	1174	Oil Level Switch Signal
34	BK	2755	Low Reference
35	TN	2752	Low Reference
36	— —	— —	Not Used
37	L-GN/BK	1745	Fuel Injector 2 Control
38	PK/BK	1746	Fuel Injector 3 Control
39	L-BU/BK	844	Fuel Injector 4 Control
40	OG/BK	877	Fuel Injector 7 Control
41	GY	2705	5-Volt Reference
42	— —	— —	Not Used
43	GY	2704	5-Volt Reference
44	D-BU	6259	5-Volt Reference
45-49	— —	— —	Not Used
50	TN/WH	331	Oil Pressure Sensor Signal
51	— —	— —	Not Used
52	TN	2199	Low Reference
53	OG/BK	469	Low Reference
54-55	— —	— —	Not Used
56	TN	1664	HO2S Low Signal [- Bank 1 Sensor 1]

Pin	Wire Color	Circuit No.	Function
57	PU/WH	1665	HO2S High Signal [- Bank 1 Sensor 1]
58	L-GN	432	MAP Sensor Signal
59	PU	1666	HO2S High Signal [- Bank 2 Sensor 1]
60	TN	1667	HO2S Low Signal [- Bank 2 Sensor 1]
61	BN	25	Charge Indicator Control/Charge Indicator Signal
62	— —	— —	Not Used
63	PU	486	TP Sensor 2 Signal
64	D-BU/WH	6265	Camshaft CAM W Signal
65	D-GN	485	TP Sensor 1 Signal
66	BN	6266	Camshaft CAM W Ground
67	— —	— —	Not Used
68	WH/BK	6271	Crankshaft 60X Sensor Signal
69	GY/BK	6272	Crankshaft 60X Sensor Low Reference
70	PU	2121	IC 1 Control
71	PU/WH	2128	IC 8 Control
72	OG	2127	IC 7 Control
73	OG/WH	2122	IC 2 Control
74	L-BU/WH	2126	IC 6 Control
75	D-GN	2125	IC 5 Control
76	D-GN/WH	2124	IC 4 Control
77	L-BU	2123	IC 3 Control
78	BN	2129	Low Reference
79	BN/WH	2130	Low Reference
80	— —	— —	Not Used

Engine Control Module (ECM) – 4.8L, 5.3L, 6.0L, & 6.2L Gas – Location

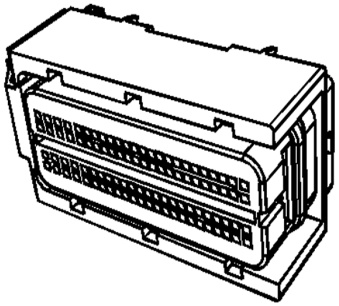


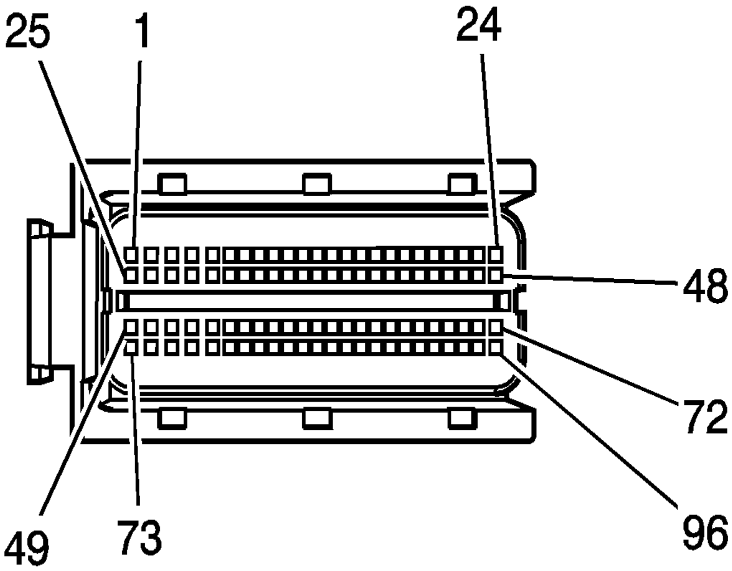
(1) Windshield Wiper Motor and Module
(2) Power Brake Booster
(3) Windshield Washer Solvent Heater
(4) Fuse Block - Underhood
(5) Engine Control Module (ECM)
(6) Transmission Control Module (TCM)
(7) Brake Booster Vacuum Sensor
(8) Brake Fluid Level Switch

Engine Control Module (ECM): LMM 6.6L Diesel – Connector X-1

OEM:	15438366
Service:	19149311
Description:	96-Way F Sealed
Color:	**BLK**

Pin	Wire Color	Circuit No.	Function
1	1 OG	5421	Fuel Injector Supply Voltage 1
2	1 D-BU/WH	878	Fuel Injector 8
3	1 OG/BK	877	Fuel Injector 7 Control
4	0.5 D-BU	2364	Cooling Fan Speed Signal
5	0.5 YE	492	MAF Sensor Signal
6	0.5 OG/BK	469	Low Reference
7-8	--	--	Not Used
9	0.5 BN	1174	Oil Level Switch Signal
10	--	--	Not Used
11	0.5 GY/BK	6272	Low Reference
12	0.5 GY	2704	5-Volt Reference 3
13	0.5 TN	5928	5-Volt Reference 3
14	0.5 GY	6054	5-Volt Reference 2
15	0.5 GY	2705	5-Volt Reference 2
16	--	--	Not Used
17	0.5 GY	2701	5-Volt Reference 1
18	--	--	Not Used
19	0.5 L-GN	432	MAP Sensor Signal
20	0.5 YE	5947	Turbocharger Vane Position Sensor Signal
21	0.5 L-BU	1162	APP Sensor 2 Signal
22	--	--	Not Used
23	0.5 BK	2755	Low Reference





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Engine Control Module (ECM): LMM 6.6L Diesel – Connector X-1 (continued)

chart continued from previous page

Pin	Wire Color	Circuit No.	Function
24	0.5 PU/WH	2530	Fuel Pressure Regulator Solenoid Supply Voltage
25	1 PK	5425	Fuel Injector Supply Voltage 4
26	1 YE/BK	846	Fuel Injector 6 Control
27	1 PK/BK	1746	Fuel Injector 3 Control
28	0.5 WH/BK	2366	Cooling Fan Clutch Control
29	--	--	Not Used
30	0.5 OG/BK	2919	Low Reference
31-32	--	--	Not Used
33	0.5 GY/BK	2931	Low Reference
34	--	--	Not Used
35	0.5 YE/BK	6055	Low Reference
36	0.5 TN	2752	Low Reference
37	0.5 GY	2702	5-Volt Reference 3
38	0.5 TN	1274	5-Volt Reference 2
39	0.5 TN	2917	5-Volt Reference 2
40	0.5 PU/WH	6270	5-Volt Reference 1
41	0.5 D-BU	6259	5-Volt Reference 1
42	0.5 TN	472	IAT Sensor Signal
43	0.5 D-BU	6053	DPF Sensor Signal
44	0.5 TN/WH	331	Oil Pressure Sensor Signal
45	0.5 L-GN	2032	ECT Sensor Signal
46	--	--	Not Used
47	0.5 TN	2761	Low Reference
48	0.5 D-BU	5930	Turbocharger Vane Position Control Solenoid Valve Control

Pin	Wire Color	Circuit No.	Function
49	1 PU	5423	Fuel Injector Supply Voltage 3
50	1 TN/WH	845	Fuel Injector 5 Control
51	1 L-BU/BK	844	Fuel Injector 4 Control
52	--	--	Not Used
53	0.5 YE/BK	6120	Low Reference
54-55	--	--	Not Used
56	0.5 D-BU/WH	6265	CMP Sensor Signal
57	0.5 GY/BK	1694	4WD Low Signal (NQG)
58-61	--	--	Not Used
62	0.5 TN	2760	Low Reference
63	0.5 OG/BK	5929	Low Reference
64	0.5 L-BU/BK	6813	Low Reference
65	0.5 L-BU	6118	Air Temperature Sensor Signal
66	--	--	Not Used
67	0.5 BN/WH	5763	EGR Valve Sensor Signal
68	0.5 YE	410	ECT Sensor Signal
69	0.5 D-BU	5277	Exhaust Gas Temperature Sensor
70	0.5 BN	6782	Low Reference
71	0.5 YE/BK	625	Starter Enable Relay Control
72	0.5 YE	2834	Fuel Pressure Regulator Solenoid Control
73	1 YE	5422	Fuel Injector Supply Voltage 2
74	1 TN	1744	Fuel Injector 1 Control
75	1 L-GN/BK	1745	Fuel Injector 2 Control
76	0.5 PK	1339	Ignition 1 Voltage

chart continued on next page

Engine Control Module (ECM): LMM 6.6L Diesel – Connector X-1 (continued)

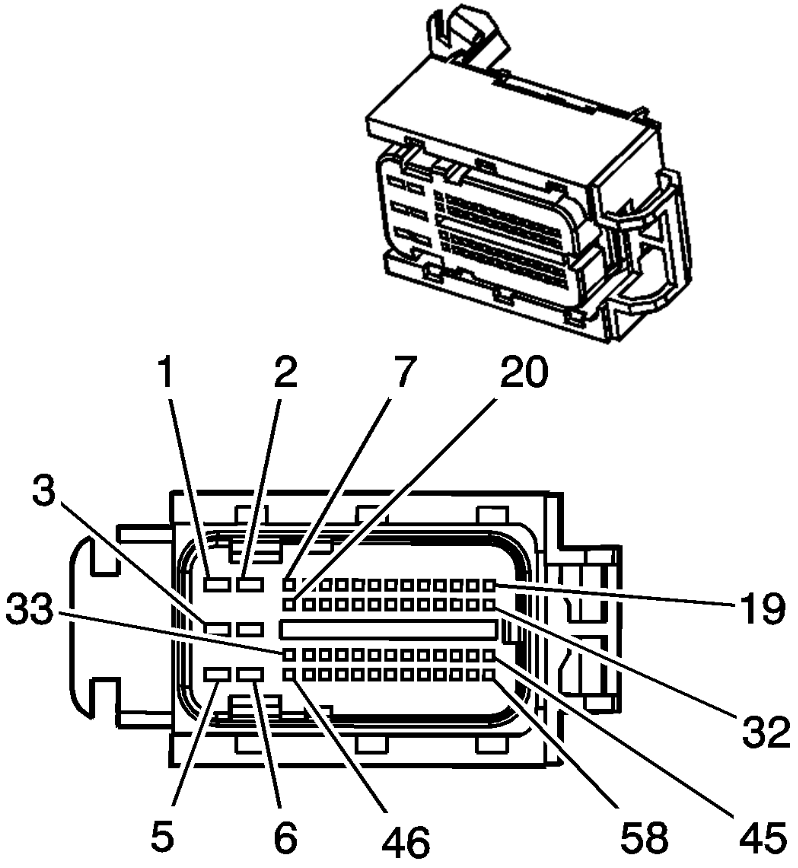
chart continued from previous page

Pin	Wire Color	Circuit No.	Function
77	0.5 RD/WH	440	Battery Positive Voltage
78	0.5 PU	1272	Low Reference
79	0.5 WH/BK	6271	CKP Sensor Signal
80-81	--	--	Not Used
82	0.5 TN/WH	1695	Axle Switch Signal (NQG)
83	0.5 L-BU/WH	6311	TCC Brake Signal
84	0.5 D-GN/WH	6142	Power Take Off Engine Shutdown Signal (PTO)
85	0.5 YE/BK	508	Low Reference
86	0.5 TN	2753	Low Reference
87	0.5 GY/BK	5765	Fuel Filter Pressure Switch Signal
88	0.5 BN	6266	Low Reference
89-90	--	--	Not Used
91	0.5 D-GN	485	TP Sensor Signal
92	0.5 YE	2918	FRP Sensor Signal
93	0.5 L-BU	5377	Exhaust Gas Temperature Sensor
94	0.5 BN/WH	6783	Low Reference
95	--	--	Not Used
96	0.5 WH	5931	Low Reference

Engine Control Module (ECM): LMM 6.6L Diesel – Connector X-2

OEM:	15462694
Service:	88988935
Description:	58-Way F Mixed Series Sealed
Color:	**BLK**

Pin	Wire Color	Circuit No.	Function
1	2 PK	1439	Ignition 1 Voltage
2	2 BK/WH	451	Ground
3	2 PK	1439	Ignition 1 Voltage
4	2 BK/WH	451	Ground
5	2 PK	1439	Ignition 1 Voltage
6	2 BK/WH	451	Ground
7	0.8 BN	582	Motor Control - 2
8	0.8 BN	25	Charge Indicator Control
9-11	--	--	Not Used
12	0.5 D-GN/WH	465	Fuel Pump Relay Control
13	0.5 TN	5514	Low Reference (CJ2/C67)
14	--	--	Not Used
15	0.5 WH/BK	1164	5-Volt Reference 3
16	0.5 D-BU	507	Wait to Start Indicator Control
17-18	--	--	Not Used
19	0.5 YE	5991	Powertrain Relay Coil Control
20	0.8 YE	581	Motor Control - 1
21	0.5 PK	439	Ignition 1 Voltage
22-25	--	--	Not Used
26	0.5 BN/WH	6141	Low References
27	0.5 GY	2700	5-Volt Reference 2 (CJ2/C67)



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Engine Control Module (ECM): LMM 6.6L Diesel – Connector X-2 (continued)

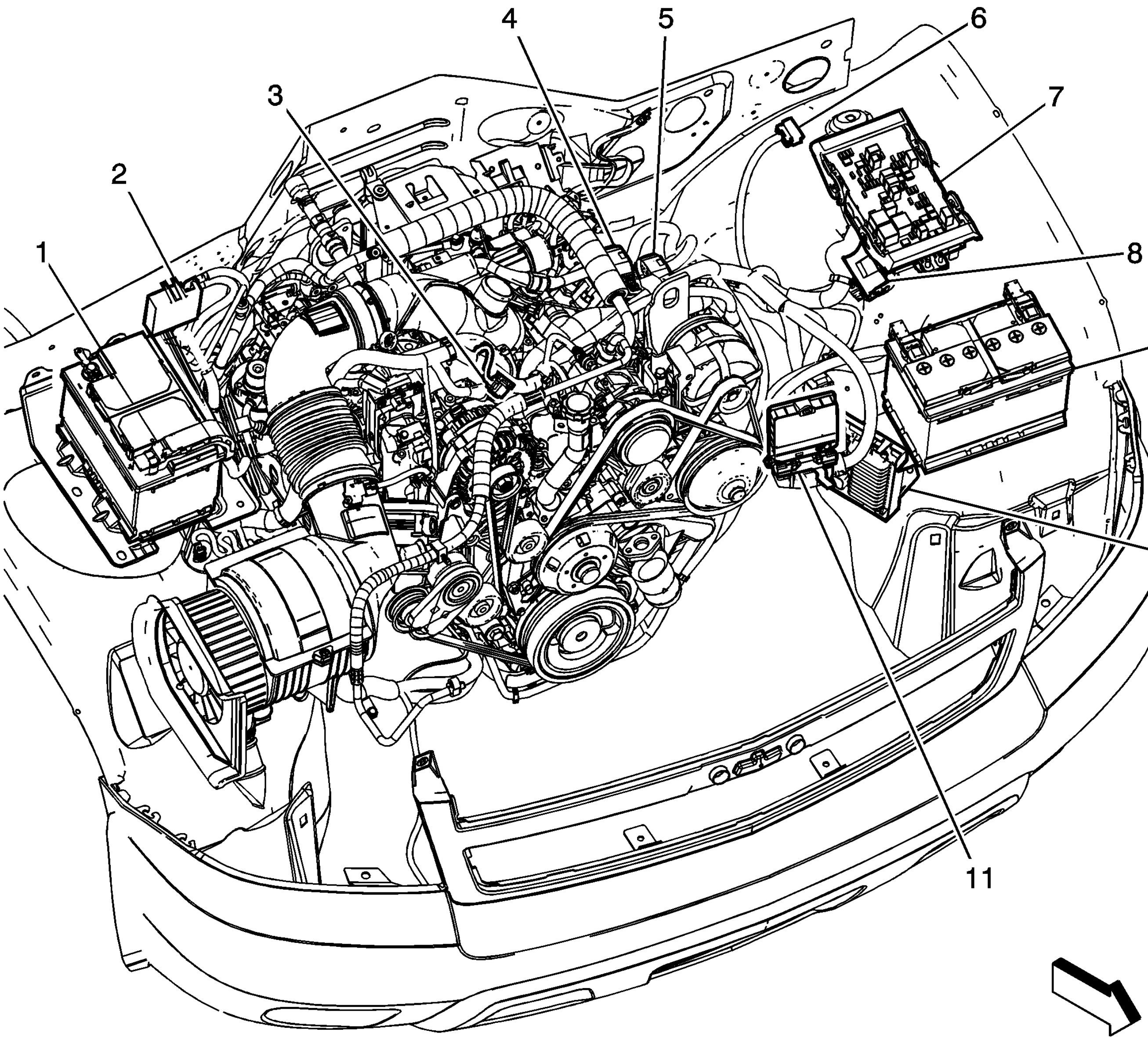
chart continued from previous page

Pin	Wire Color	Circuit No.	Function
28	0.5 GY	2365	5-Volt Reference
29	0.5 BN	1271	Low Reference
30	0.5 BN/WH	419	MIL Control
31	0.5 D-GN/WH	459	A/C Compressor Clutch Relay Control (CJ2/C67)
32	--	--	Not Used
33	0.5 OG/BK	5764	Exhaust Gas Recirculation Valve Motor High Signal
34	0.5 TN/BK	6049	Low Reference
35	0.5 OG/BK	380	A/C Refrigerant Pressure Sensor Signal (CJ2/C67)
36	0.5 PU	1589	Fuel Level Sensor Signal
37	--	--	Not Used
38	0.8 GY	23	Generator Field Duty Cycle Signal
39	0.5 OG/BK	1786	Park/Neutral Signal
40-43	--	--	Not Used

Pin	Wire Color	Circuit No.	Function
44	0.5 TN	2501	High Speed GMLAN Serial Data Bus (-)
45	0.5 OG/BK	6399	VSS High Signal
46	0.5 L-GN/BK	5746	EGR Valve Motor Low Control
47	0.5 BN	6062	Low Reference
48	0.5 YE	1578	Fuel Temperature Sensor Signal
49	0.5 D-BU	1161	APP Sensor 1 Signal
50	0.5 L-BU	1937	Secondary Fuel Level Sensor Signal (-NQZ)
51-53	--	--	Not Used
54	0.5 YE/BK	1827	Vehicle Speed Signal
55	--	--	Not Used
56	0.5 D-BU	5985	Accessory Wakeup Serial Data
57	0.5 TN/BK	2500	High Speed GMLAN Serial Data Bus (+)
58	--	--	Not Used

Engine Control Module (ECM): LMM 6.6L Diesel – Location

(1) Battery – Right
(2) Fuse Holder – Underhood
(3) X127
(4) X108
(5) X107
(6) X123 (PTO)
(7) Fuse Block – Underhood
(8) X109
(9) Battery – Left (6A6/TP2)
(10) Engine Control Module (ECM)
(11) Transmission Control Module (TCM)

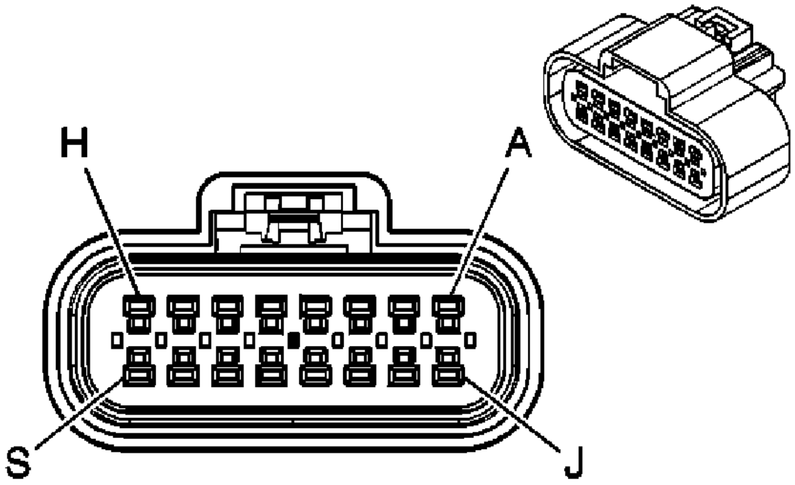


X124 – Engine Harness to PTO Jumper Harness (PTO)

9.2. Connector Pin Functions

Pin	Circuit Number*	Wire Color*	Description
A	6085	BN/WH	Remote Engine Start Input
B	494	L-BU	Remote Engine Shutdown Input
C	978	GY	PTO Remote Enable Input
D	550	BK	Power Ground
E	975	WH	+5 volt Sensor/Switch Reference (50 ma)
F	6142	D-GN/WH	PTO Switch Reference Output (300 ma)
G	2522	YE	PTO Load Feedback
H	2562	PU	PTO Relay Low-Side Control Output
J	6381	BN	PTO Relay High-Side Control Output
K	2640	RD/WH	Battery (10 Amp Fused) Output
L	6089	D-BU/WH	PTO Remote Set A Input
M	976	GY/BK	Ground Reference
N	977	L-BU	PTO Remote Accelerator Input
P	979	D-BU	Remote Start Arming
R	239	PK	Ignition (Switched Run/Crank)
S	981	TN	PTO Remote Indicator Lamp/Remote Tachometer (MY2009 Vehicles only)

* Vehicle harness Circuit Number and Wire Color

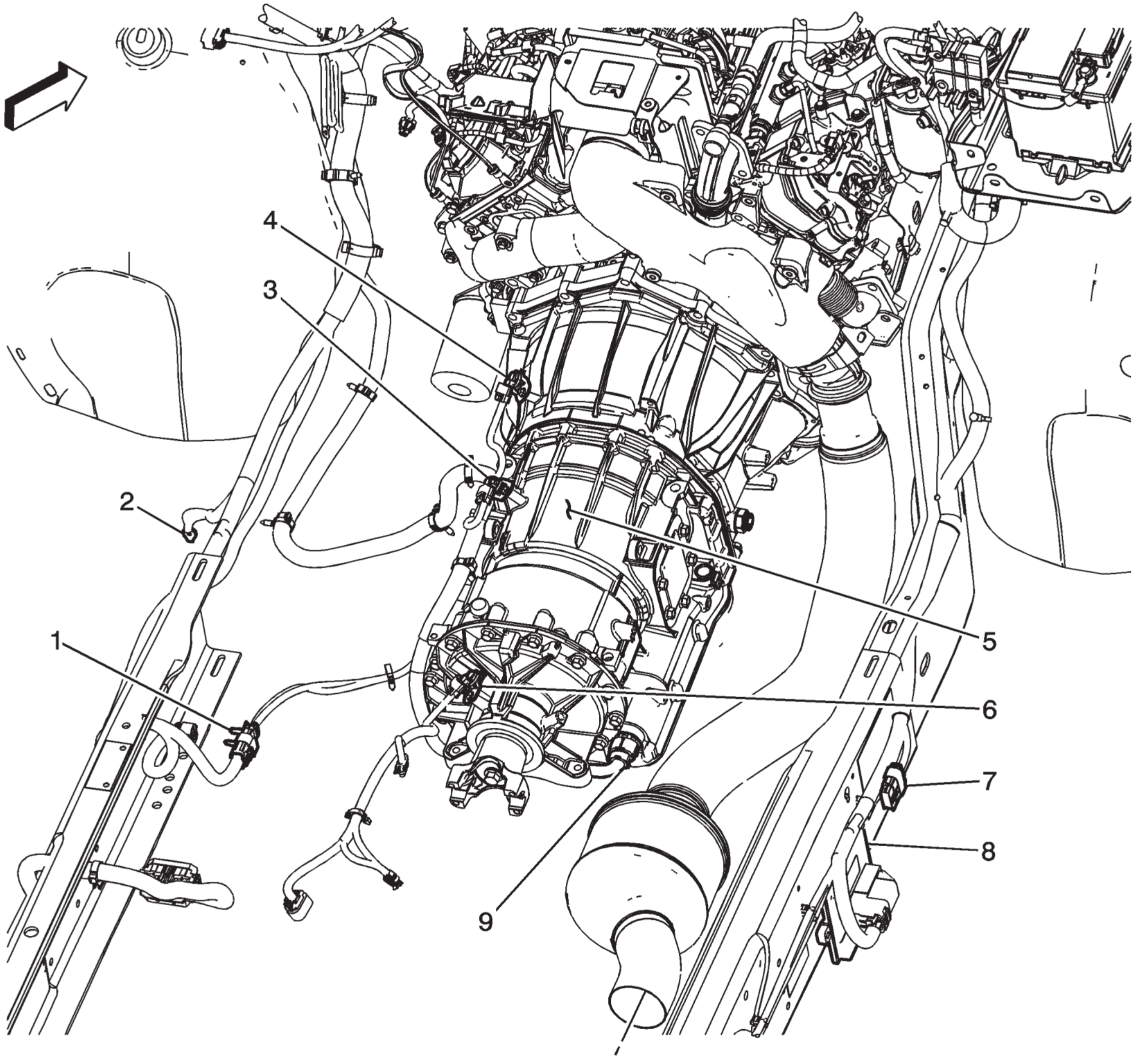


OEM: 15326863
Service: 1530638
Description: 16-Way F GT 150 Sealed (BK)

	Part Number	Type	Description
Terminal Seals, and Locks	15358785	Lock	Purple Secondary Lock
	15366060	Seal	Blue Individual Loose Cable Seal
	15305171	Seal	Green Cable Cavity Cavity Plug
	15366021	Seal	White Individual Loose Cable Seal
	15326268	Terminal	Male GT 150 Tin Plated Terminal, Cable Range 0.50 - 0.35 mm2, Cable Insulation Range 1.85 - 1.20 mm
	15326269	Terminal	Male GT 150 Tin Plated Terminal, Cable Range 1.00 - 0.75 mm2, Cable Insulation Range 2.25 - 1.70 mm

X124 — PTO Connector Location

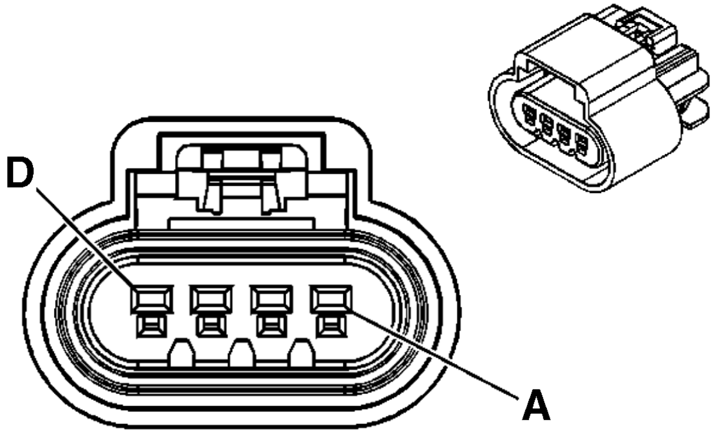
(1) X300
(2) G300
(3) Automatic Transmission Turbine Speed Sensor
(4) Automatic Transmission Input Shaft Speed (AT ISS) Senor
(5) Automatic Transmission
(6) Vehicle Speed Sensor (VSS)
(7) X124
(8) Power Take Off (PTO) Module
(9) X175



Rear Lighting – Utility – C411 Chassis Harness to Left Rear Lamp Harness (Except E52/Z75)

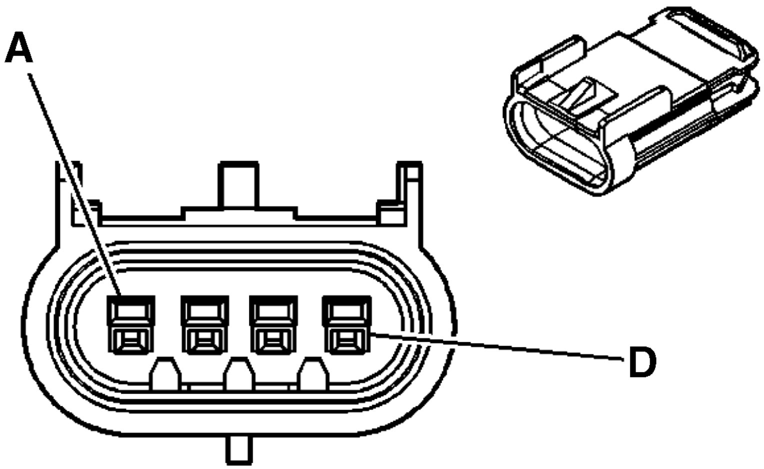
Connector: 4-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326815
Color: **BLK**
Service: 15306396

Pin	Wire Color	Circuit No.	Function
A	YE	– –	Left Rear Stop/Turn Lamp Supply Voltage
B	BK	– –	Ground
C	BN	– –	Left Rear Park Lamps Supply Voltage
D	L-GN	– –	Backup Lamp Supply Voltage



Connector: 4-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326820
Color: **BLK**
Service: 15326820

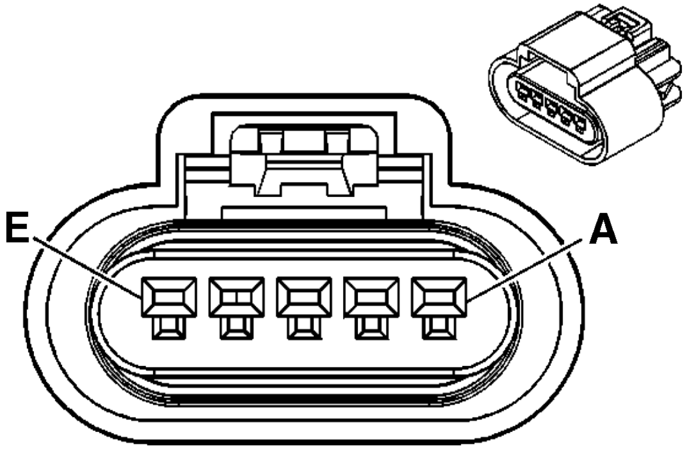
Pin	Wire Color	Circuit No.	Function
A	YE	18	Left Rear Stop/Turn Lamp Supply Voltage
B	BK	1750	Ground
C	BN	2509	Left Rear Park Lamps Supply Voltage
D	L-GN	24	Backup Lamp Supply Voltage



Rear Lighting – Utility – C411 Chassis Harness to Left Rear Lamp Harness (E52 Except Z75)

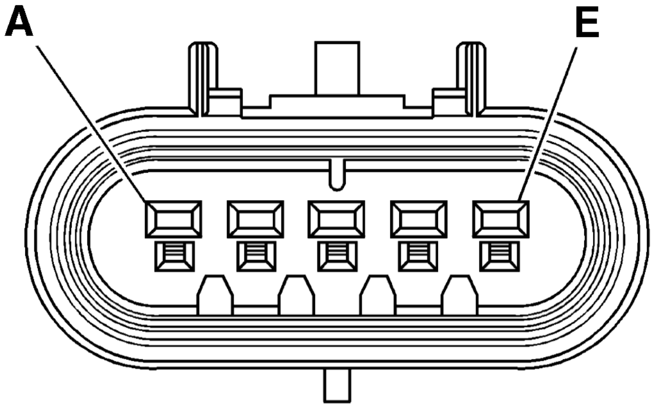
Connector: 5-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326822
Color: **BLK**
Service: 88987186

Pin	Wire Color	Circuit No.	Function
A	YE/BK	– –	Left Rear Turn Signal Lamp Supply Voltage
B	L-BU	– –	Stop Lamp Supply Voltage
C	BK	– –	Ground
D	BN	– –	Left Rear Park Lamps Supply Voltage
E	L-GN	– –	Backup Lamp Supply Voltage



Connector: 5-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326827
Color: **BLK**
Service: 89046648

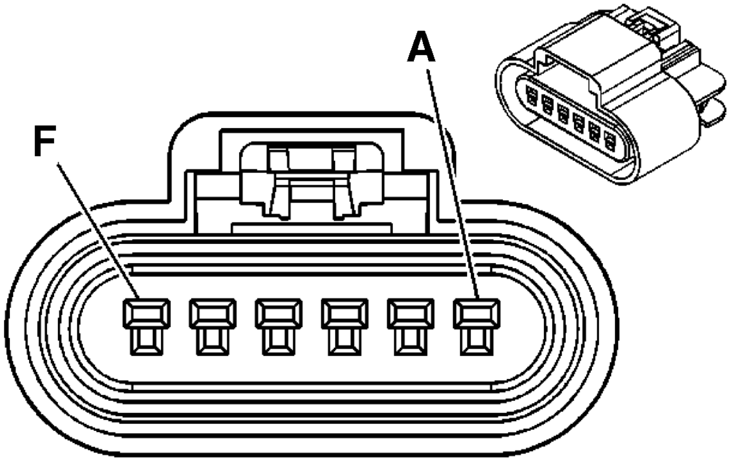
Pin	Wire Color	Circuit No.	Function
A	YE/BK	1334	Left Rear Turn Signal Lamp Supply Voltage
B	L-BU	20	Stop Lamp Supply Voltage
C	BK	1750	Ground
D	BN	2509	Left Rear Park Lamps Supply Voltage
E	L-GN	24	Backup Lamp Supply Voltage



Rear Lighting – Utility – C411 Chassis Harness to Left Rear Lamp Harness (Z75)

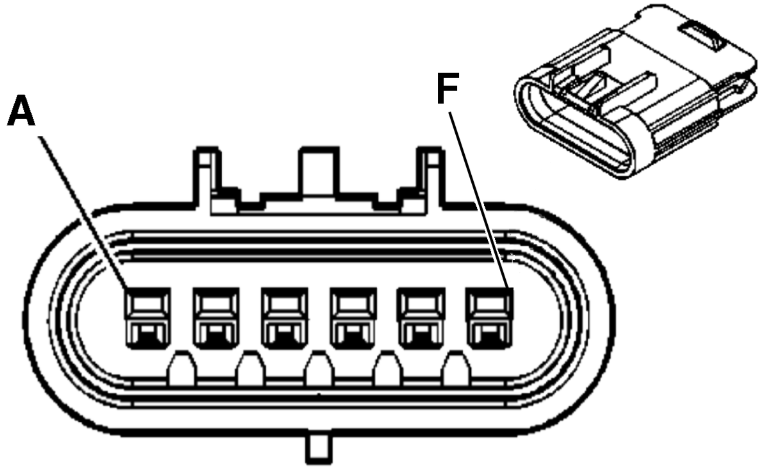
Connector: 6-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326829
Color: **BLK**
Service: 88953153

Pin	Wire Color	Circuit No.	Function
A	YE/BK	– –	Left Rear Turn Signal Lamp Supply Voltage
B	YE	– –	Left Rear Stop/Turn Lamp Supply Voltage
	L-BU	– –	Stop Lamp Supply Voltage
C	BK	– –	Ground
D	BN	– –	Left Rear Park Lamps Supply Voltage
E	L-GN	– –	Backup Lamp Supply Voltage
	OG	– –	Rear Fog Lamp Supply Voltage
F	YE	– –	Left Tail Lamp Outage Detection Signal



Connector: 6-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326833
Color: **BLK**
Service: 15326833

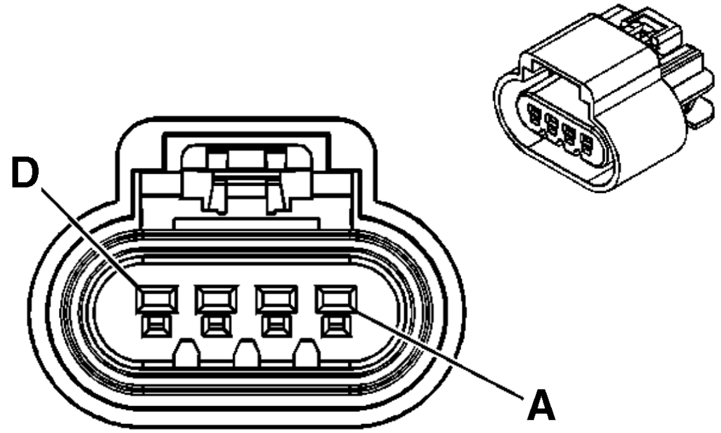
Pin	Wire Color	Circuit No.	Function
A	YE/BK	1334	Left Rear Turn Signal Lamp Supply Voltage
B	YE	18	Left Rear Stop/Turn Lamp Supply Voltage
	L-BU	20	Stop Lamp Supply Voltage
C	BK	1750	Ground
D	BN	2509	Left Rear Park Lamps Supply Voltage
E	L-GN	24	Backup Lamp Supply Voltage
	OG	122	Rear Fog Lamp Supply Voltage
F	YE	5356	Left Tail Lamp Outage Detection Signal



Rear Lighting – Utility – C412 Chassis Harness to Right Rear Lamp Harness (Except E52/Z75)

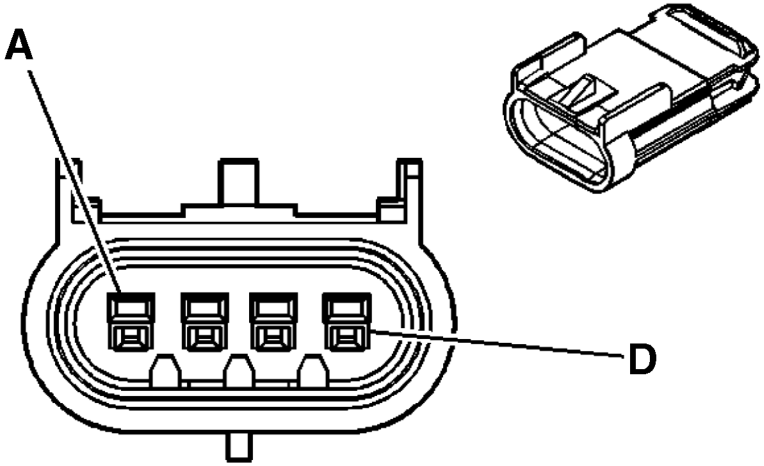
Connector: 4-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326815
Color: **BLK**
Service: 15306396

Pin	Wire Color	Circuit No.	Function
A	D-GN	– –	Right Rear Stop/Turn Lamp Supply Voltage
B	BK	– –	Ground
C	BN	– –	Right Rear Park Lamps Supply Voltage
D	L-GN	– –	Backup Lamp Supply Voltage



Connector: 4-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326820
Color: **BLK**
Service: 15326820

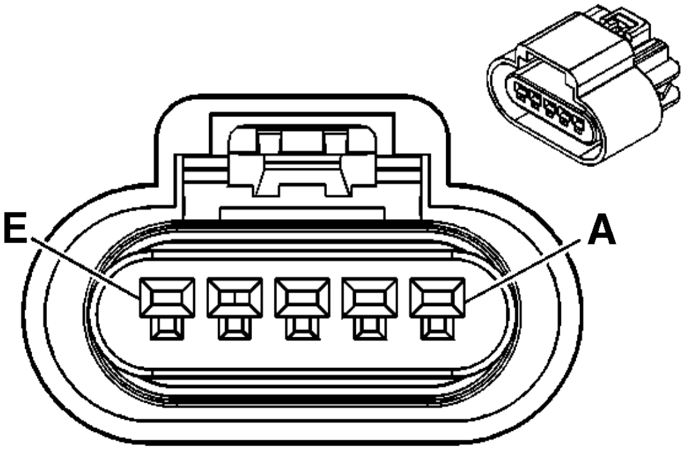
Pin	Wire Color	Circuit No.	Function
A	D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
B	BK	1750	Ground
C	BN	2609	Right Rear Park Lamps Supply Voltage
D	L-GN	24	Backup Lamp Supply Voltage



Rear Lighting – Utility – C412 Chassis Harness to Right Rear Lamp Harness (E52 Except Z75)

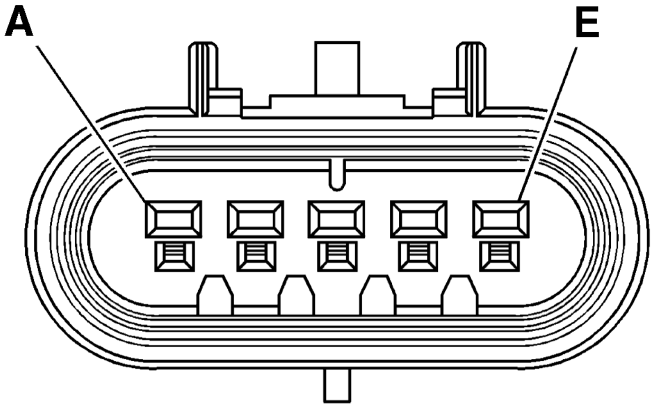
Connector: 5-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326822
Color: **BLK**
Service: 88987186

Pin	Wire Color	Circuit No.	Function
A	D-GN/WH	– –	Right Rear Turn Signal Lamp Supply Voltage
B	L-BU/BK	– –	Stop Lamp Supply Voltage
C	BK	– –	Ground
D	BN	– –	Right Rear Park Lamps Supply Voltage
E	L-GN	– –	Backup Lamp Supply Voltage



Connector: 5-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326827
Color: **BLK**
Service: 89046648

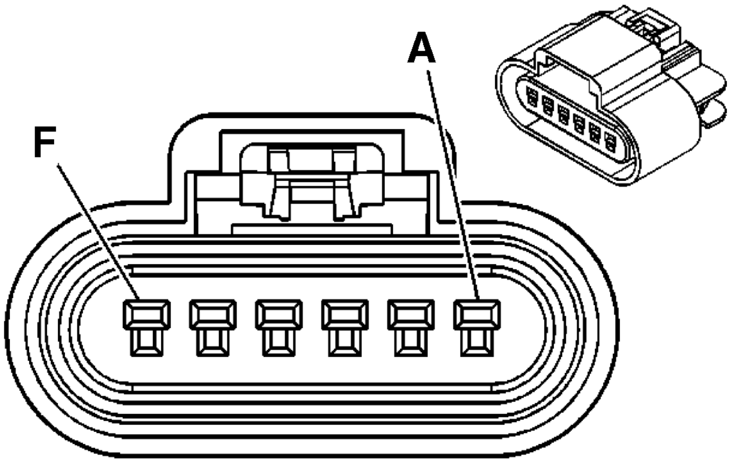
Pin	Wire Color	Circuit No.	Function
A	D-GN/WH	1335	Right Rear Turn Signal Lamp Supply Voltage
B	L-BU/BK	20	Stop Lamp Supply Voltage
C	BK	1750	Ground
D	BN	2609	Right Rear Park Lamps Supply Voltage
E	L-GN	24	Backup Lamp Supply Voltage



Rear Lighting – Utility – C412 Chassis Harness to Right Rear Lamp Harness (Z75)

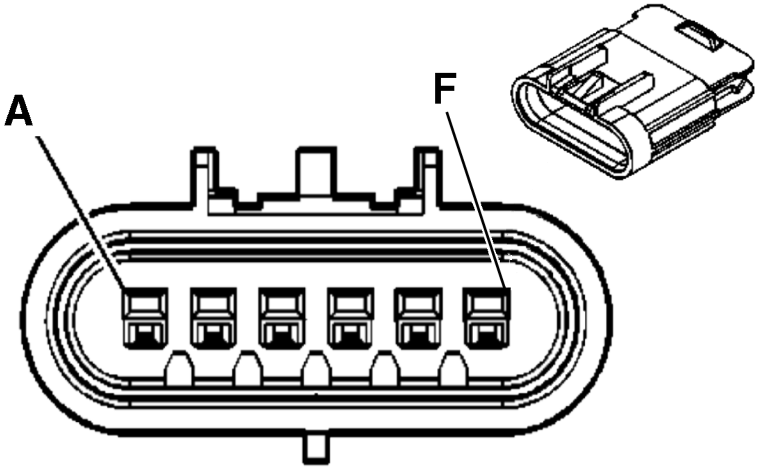
Connector: 6-Way F GT 150 Series, Sealed (BK)
O.E.M.: 15326829
Color: **BLK**
Service: 88953153

Pin	Wire Color	Circuit No.	Function
A	D-GN/WH	– –	Right Rear Turn Signal Lamp Supply Voltage
B	D-GN	– –	Right Rear Stop/Turn Lamp Supply Voltage
	L-BU/BK	– –	Stop Lamp Supply Voltage
C	BK	– –	Ground
D	BN	– –	Right Rear Park Lamps Supply Voltage
E	L-GN	– –	Backup Lamp Supply Voltage
F	PU	– –	Right Tail Lamp Outage Detection Signal

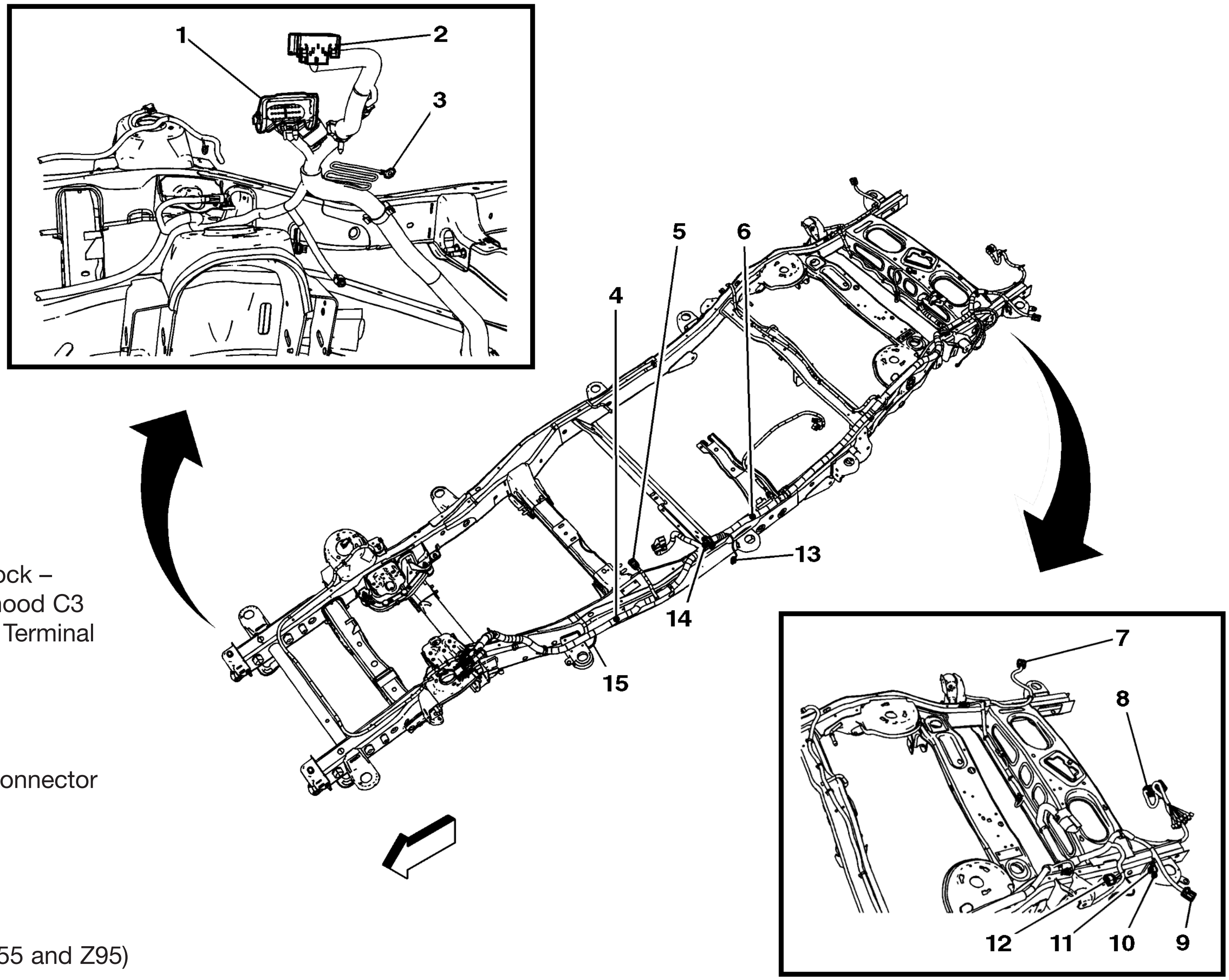


Connector: 6-Way M GT 150 Series, Sealed (BK)
O.E.M.: 15326833
Color: **BLK**
Service: 15326833

Pin	Wire Color	Circuit No.	Function
A	D-GN/WH	1335	Right Rear Turn Signal Lamp Supply Voltage
B	D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
	L-BU/BK	20	Stop Lamp Supply Voltage
C	BK	1750	Ground
D	BN	2609	Right Rear Park Lamps Supply Voltage
E	L-GN	24	Backup Lamp Supply Voltage
F	PU	5357	Right Tail Lamp Outage Detection Signal

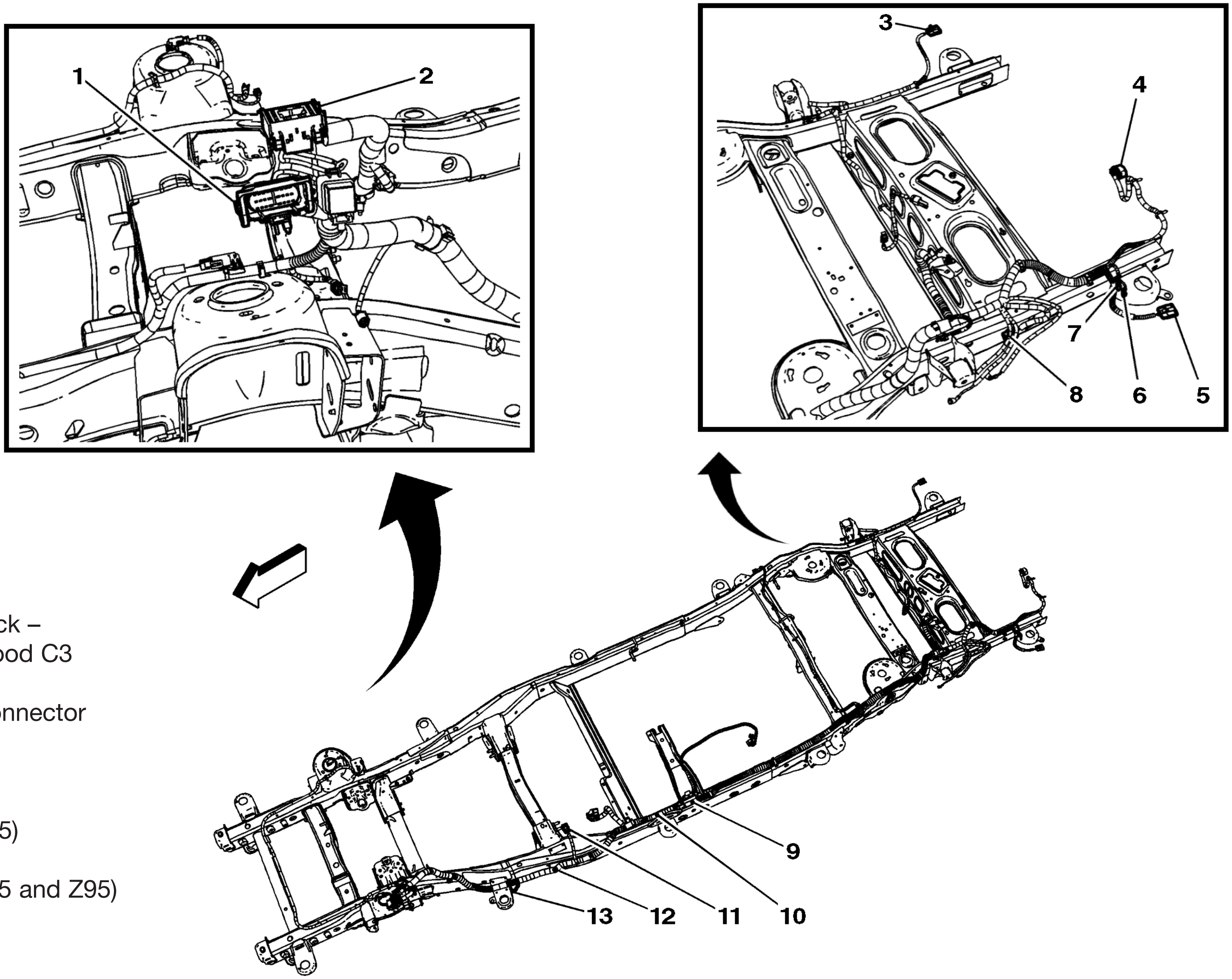


Rear Lighting – Utility – C411 and C412 Location – Short Wheel Base



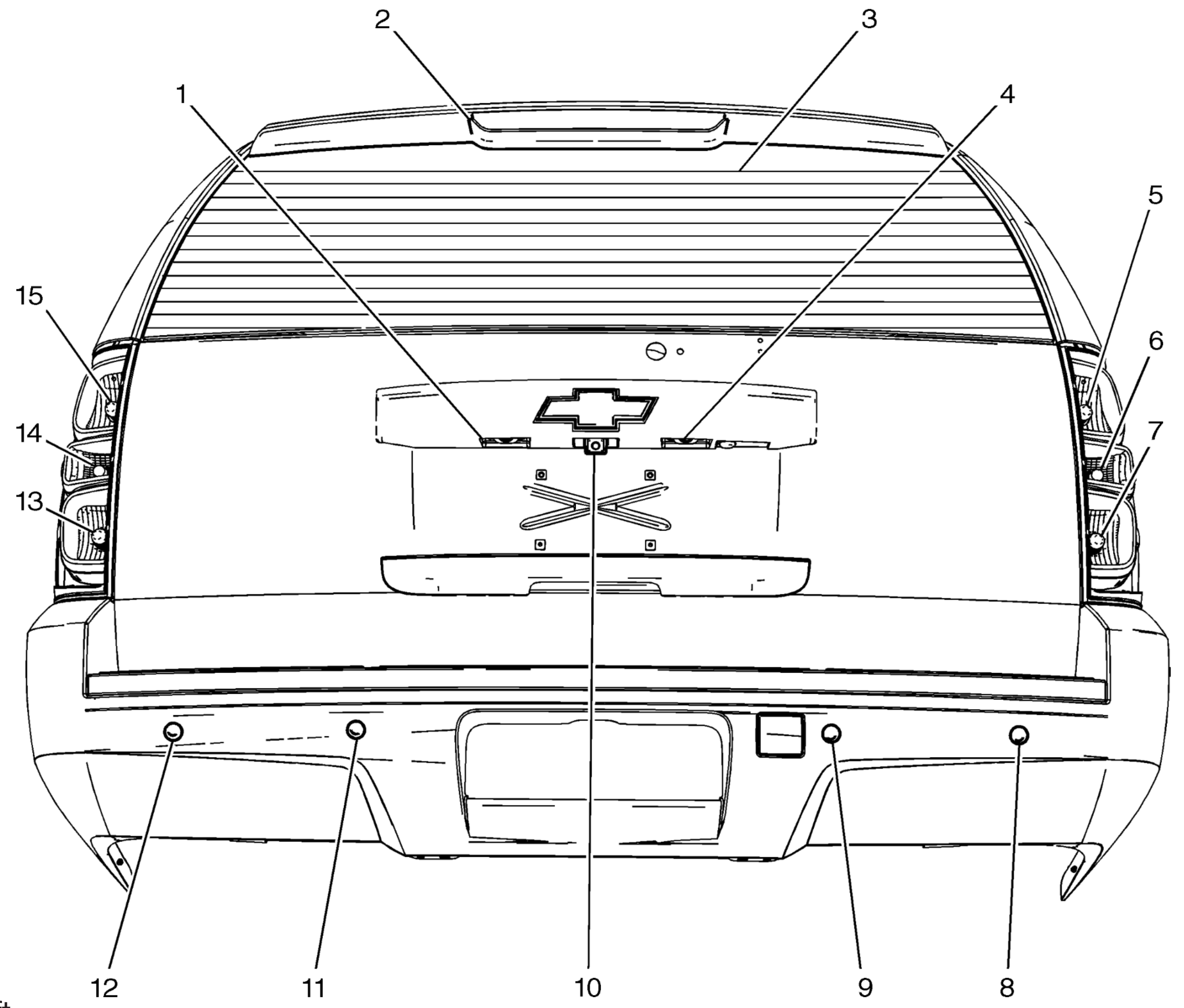
(1) C115
(2) Fuse Block –
Underhood C3
(3) Stud #1 Terminal
(4) S300
(5) C300
(6) S331
(7) C412
(8) Trailer Connector
(9) C411
(10) G400
(11) G401
(12) C400
(13) G305
(14) S301 (Z55 and Z95)
(15) G300

Rear Lighting – Utility – C411 and C412 Location – Long Wheel Base



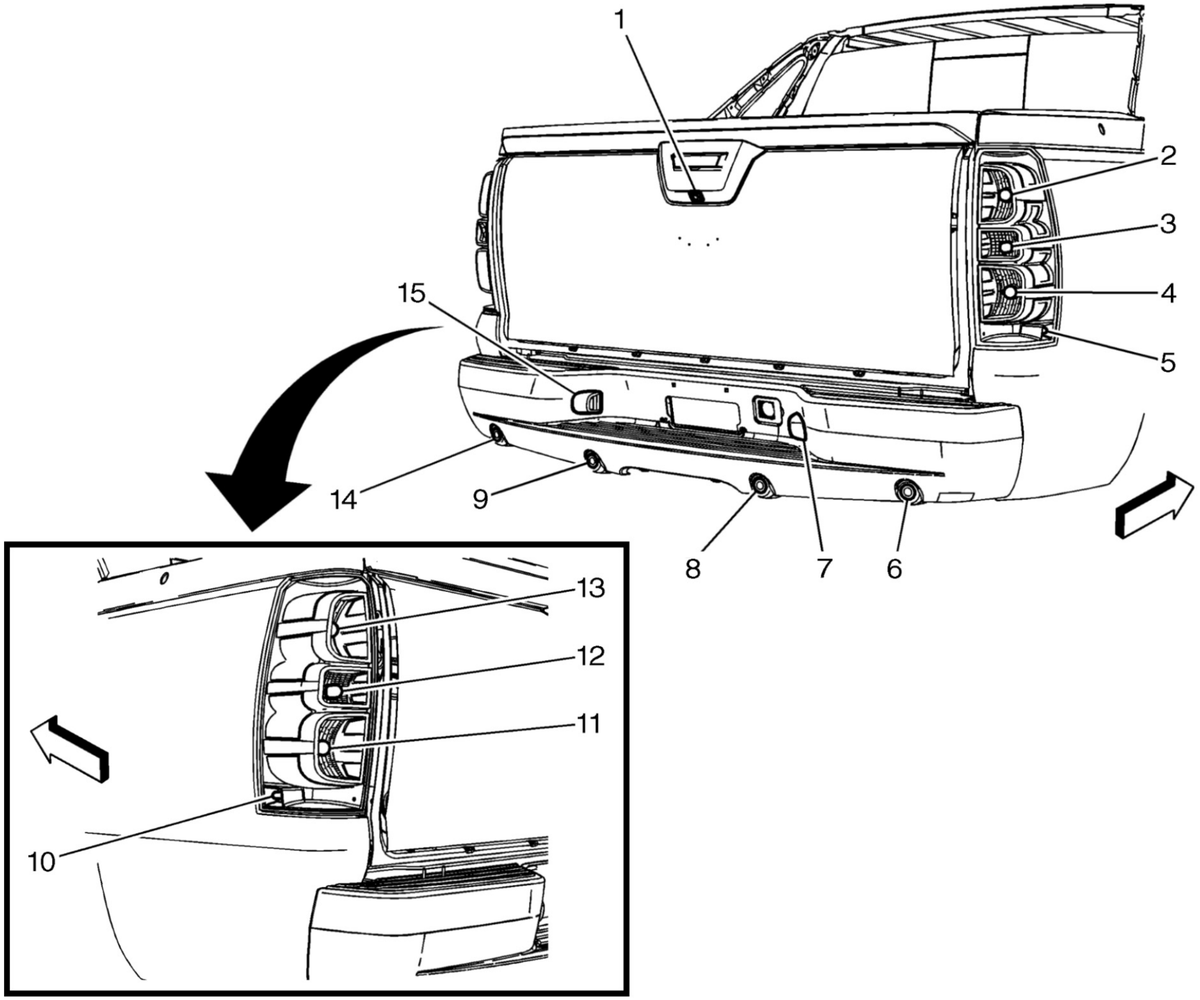
(1) C115
(2) Fuse Block –
Underhood C3
(3) C412
(4) Trailer Connector
(5) C411
(6) G400
(7) G401
(8) C400 (Z55)
(9) S331
(10) S301 (Z55 and Z95)
(11) C300
(12) S300
(13) G300

Rear Lighting – Utility – Rear of the Vehicle (X88 w/E52)



(1) License Lamp – Left
(2) Center High Mounted Stop Lamp (CHMSL)
(3) Defogger Grid
(4) License Lamp – Right
(5) Tail/Stop Lamp – Right
(6) Backup Lamp – Right
(7) Tail/Turn Signal Lamp – Right
(8) Object Sensor – RR Corner
(9) Object Sensor – RR Middle
(10) Rearview Camera (UVC) (E52)
(11) Object Sensor – LR Middle
(12) Object Sensor – LR Corner
(13) Tail/Turn Signal Lamp – Left
(14) Backup Lamp – Left
(15) Tail/Stop Lamp – Left

Rear Lighting – Utility – Rear of the Vehicle (X88 Except E52)



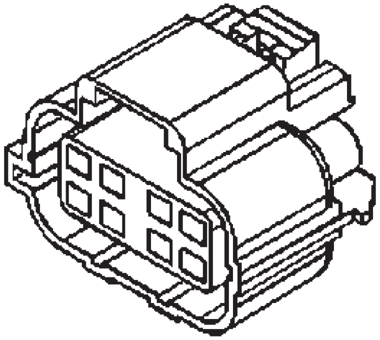
(1) Rearview Camera (UVC)	(6) Object Sensor – RR Corner	(11) Tail/Turn Signal Lamp – Left
(2) Tail/Stop Lamp – Right	(7) License Lamp – Right	(12) Backup Lamp – Left
(3) Backup Lamp – Right	(8) Object Sensor – RR Middle	(13) Tail/Stop Lamp Left
(4) Tail/Turn Signal Lamp – Right	(9) Object Sensor – LR Middle	(14) Object Sensor – LR Corner
(5) Marker Lamp – RR	(10) Marker Lamp – LR	(15) License Lamp – Left

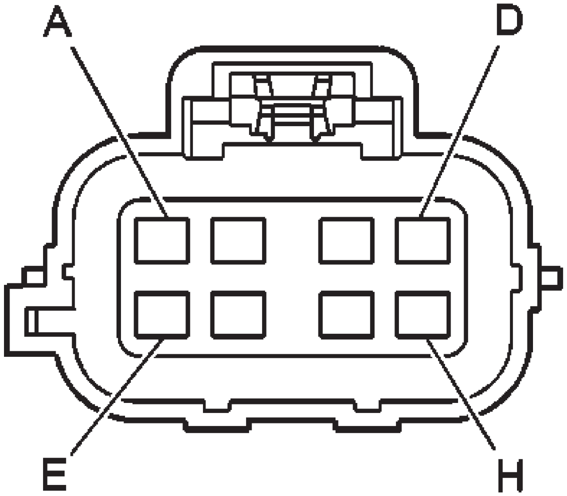
Rear Lighting — Pickup & Chassis Cab

Junction Block C-1 – Rear Chassis Harness Connector

Connector	8-Way F Global Tech 280 Series (BLU)
Typical Connector	15305595 (F)
Color	**BLU**
Typical Terminal	15304716
Typical Cable Seal	15366061

Pin	Wire Color	Circuit No.	Function
A	YEL	18	Left Stop/Turn Signal Lamps Supply Voltage
B	BLK	2150	Ground
C	LT GRN	24	Backup Lamp Supply Voltage
D	BRN/WHT	2609	Right Rear Park Lamps Supply Voltage
E	BLK	1750	Ground
F	– –	– –	Not Used
G	BRN	2509	Left Rear Park Lamps Supply Voltage
H	DK GRN	19	Right Stop/Turn Signal Lamps Supply Voltage



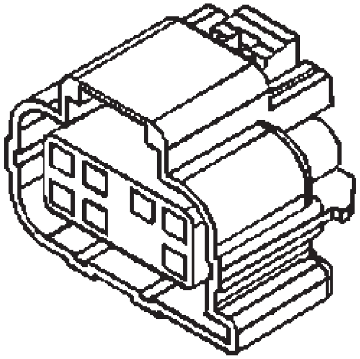


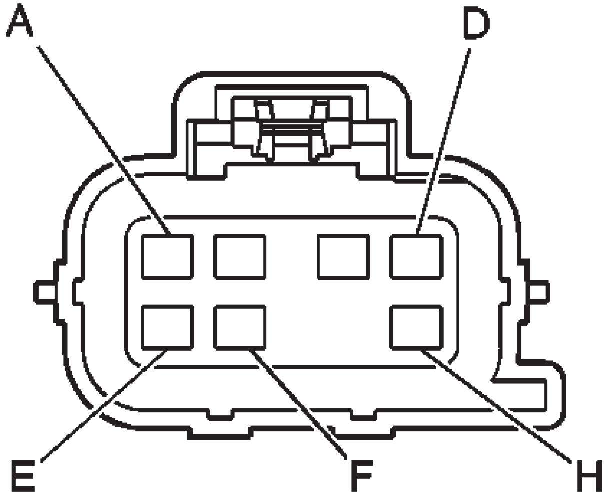
Rear Lighting – Pickup & Chassis Cab

Junction Block C-2 – Left Tail Lamp Connector

Connector	7-Way F Global Tech 280 Series (GRY)
Typical Connector	15305596 (F)
Color	**GRY**
Typical Terminal	15304716
Typical Cable Seal	15366061

Pin	Wire Color	Circuit No.	Function
A	——	——	Not Used
B	——	——	Not Used
C	BLK	1750	Ground
D	——	——	Not Used
E	BRN	2509	Left Rear Park Lamps Supply Voltage
F	LT GRN	24	Backup Lamp Supply Voltage
H	YEL	18	Left Stop/Turn Signal Lamps Supply Voltage



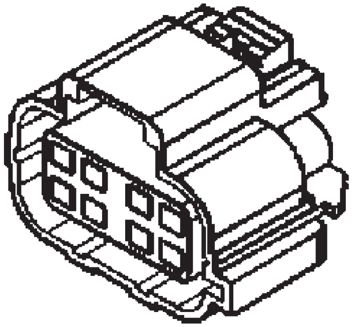


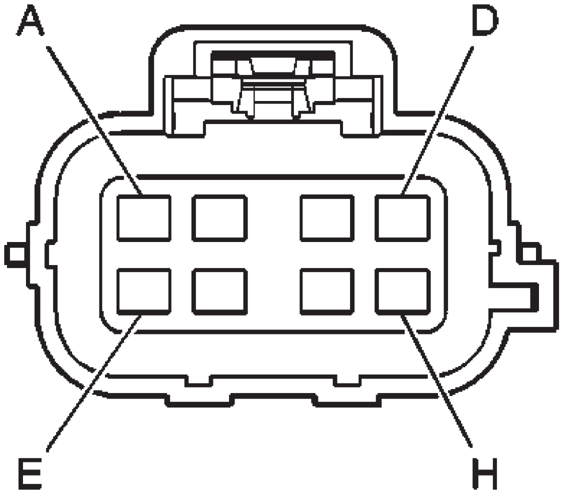
Rear Lighting – Pickup & Chassis Cab

Junction Block C-3 – License Plate Connector

Connector	8-Way F Global Tech 280 Series (BRN)
Typical Connector	15305599 (F)
Color	**BRN**
Typical Terminal	15304716
Typical Cable Seal	15366061

Pin	Wire Color	Circuit No.	Function
A	BRN/WHT	2609	Right Rear Park Lamps Supply Voltage
B	BRN/WHT	2609	Right Rear Park Lamps Supply Voltage
C	BLK	1750	Ground
D	BLK	1750	Ground
E	BLK	1750	Ground
F	BRN	2509	Left Rear Park Lamps Supply Voltage
G	BRN	2509	Left Rear Park Lamps Supply Voltage
H	BLK	1750	Ground



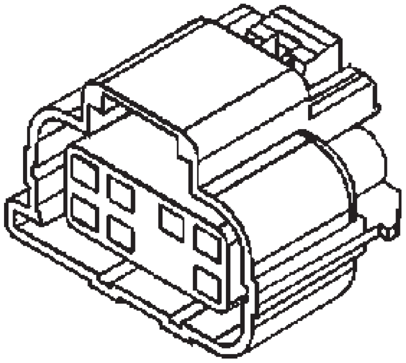


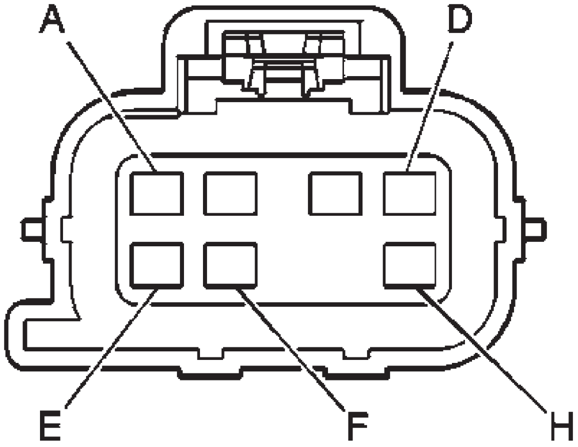
Rear Lighting – Pickup & Chassis Cab

Junction Block C-4 – Right Tail Lamp Connector

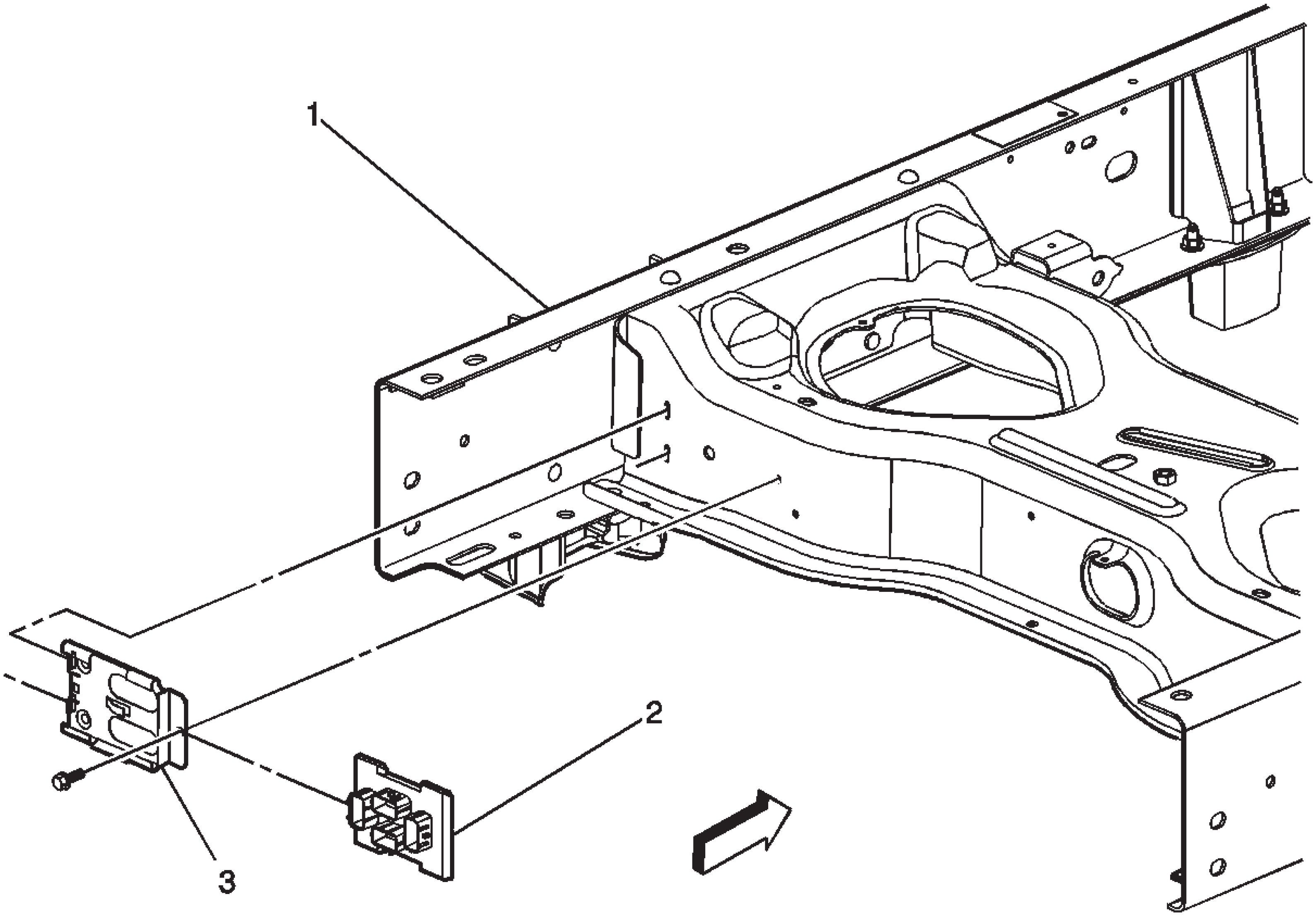
Connector	7-Way F Global Tech 280 Series (BLK)
Typical Connector	15305597 (F)
Color	**BLK**
Typical Terminal	15304716
Typical Cable Seal	15366061

Pin	Wire Color	Circuit No.	Function
A	BLK	2150	Ground
B	BRN/WHT	2609	Right Rear Park Lamps Supply Voltage
C	— —	— —	Not Used
D	— —	— —	Not Used
E	LT GRN	24	Backup Lamp Supply Voltage
F	DK GRN	19	Right Stop/Turn Signal Lamps Supply Voltage
H	— —	— —	Not Used





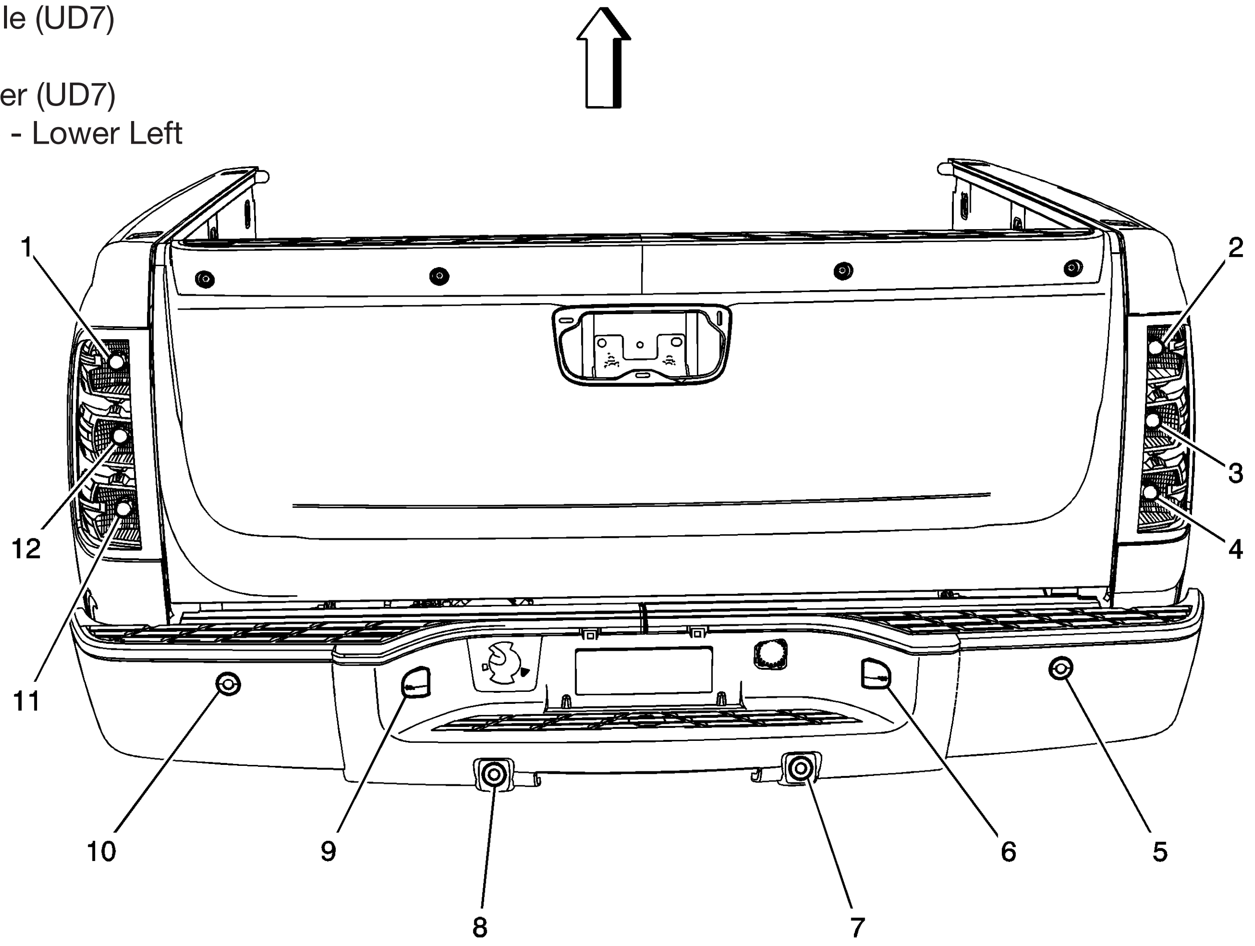
Rear Lighting – Pickup & Chassis Cab – Junction Block Location



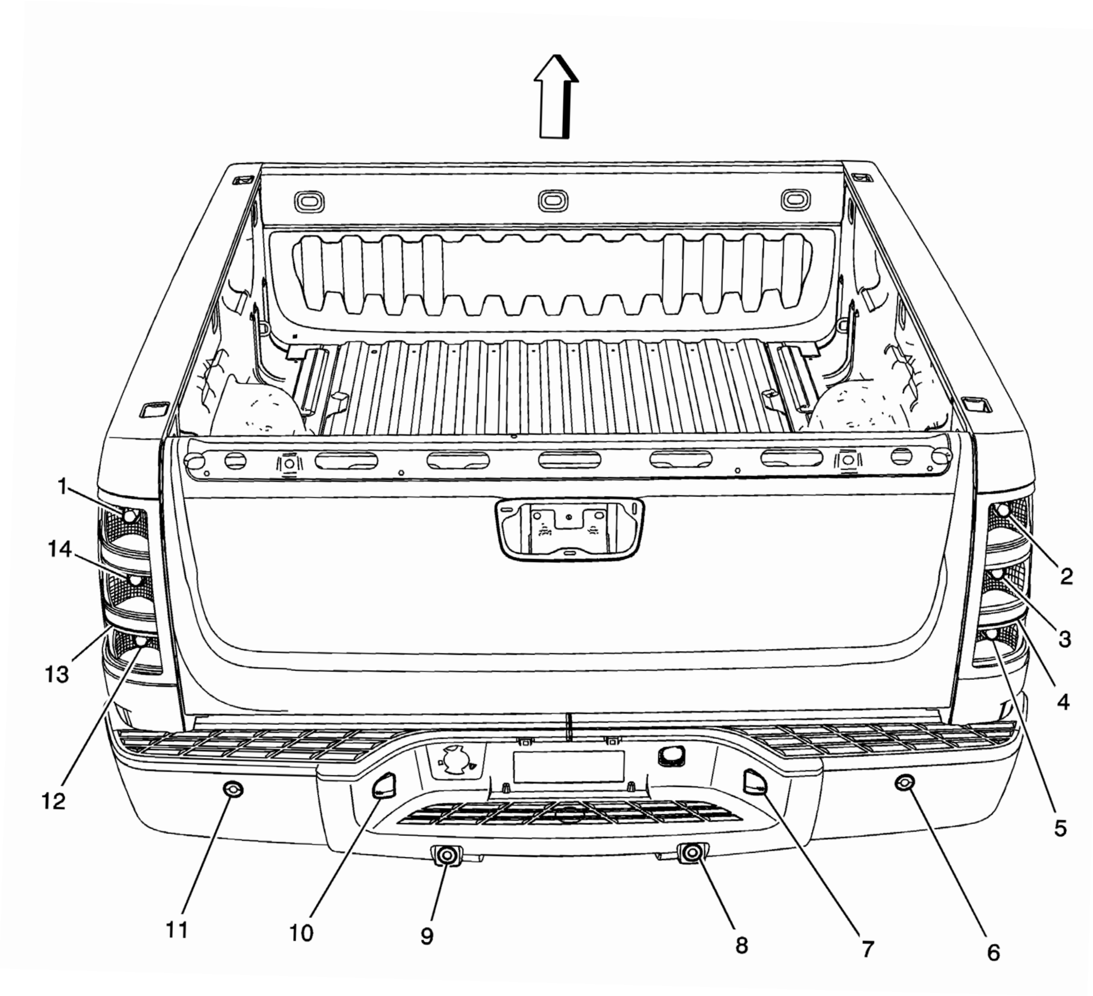
(1) Frame
(2) Junction Block—Rear Lamps
(3) Junction Block Mounting Bracket

Rear Lighting – Pickup & Chassis-Cab – Rear of the Vehicle – Tail Lamp (X88)

(1) Tail/Stop and Turn Signal Lamp - Upper Left
(2) Tail/Stop and Turn Signal Lamp - Upper Right
(3) Backup Lamp - Right Rear
(4) Tail/Stop and Turn Signal Lamp - Lower Right
(5) Object Sensor - Right Rear Corner (UD7)
(6) License Lamp - Right
(7) Object Sensor - Right Rear Middle (UD7)
(8) Object Sensor - Left Rear Middle (UD7)
(9) License Lamp - Left
(10) Object Sensor - Left Rear Corner (UD7)
(11) Tail/Stop and Turn Signal Lamp - Lower Left
(12) Backup Lamp - Left Rear



Rear Lighting – Pickup & Chassis-Cab – Rear of the Vehicle – Tail Lamp (Z88)

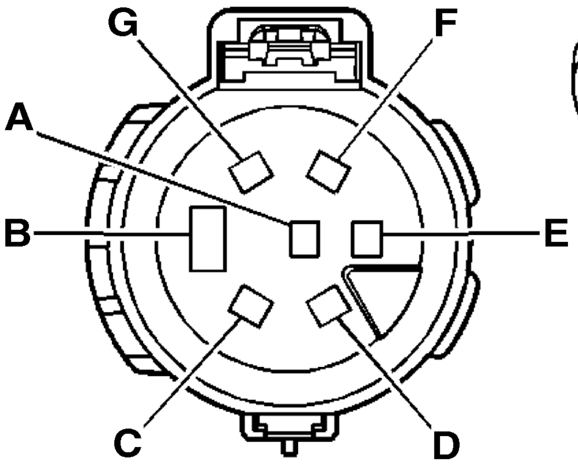


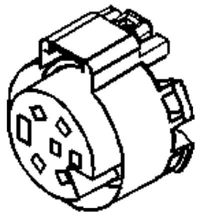
(1)	Tail/Stop and Turn Signal Lamp - Upper Left
(2)	Tail/Stop and Turn Signal Lamp - Upper Right
(3)	Tail/Stop and Turn Signal Lamp - Lower Right
(4)	Marker Lamp - Right Rear
(5)	Backup Lamp - Right Rear
(6)	Object Sensor - Right Rear Corner (UD7)
(7)	License Lamp - Right
(8)	Object Sensor - Right Rear Middle (UD7)
(9)	Object Sensor - Left Rear Middle (UD7)
(10)	License Lamp - Left
(11)	Object Sensor - Left Rear Corner (UD7)
(12)	Backup Lamp - Left Rear
(13)	Marker Lamp - Left Rear
(14)	Tail/Stop and Turn Signal Lamp - Lower Left

Trailer Connector

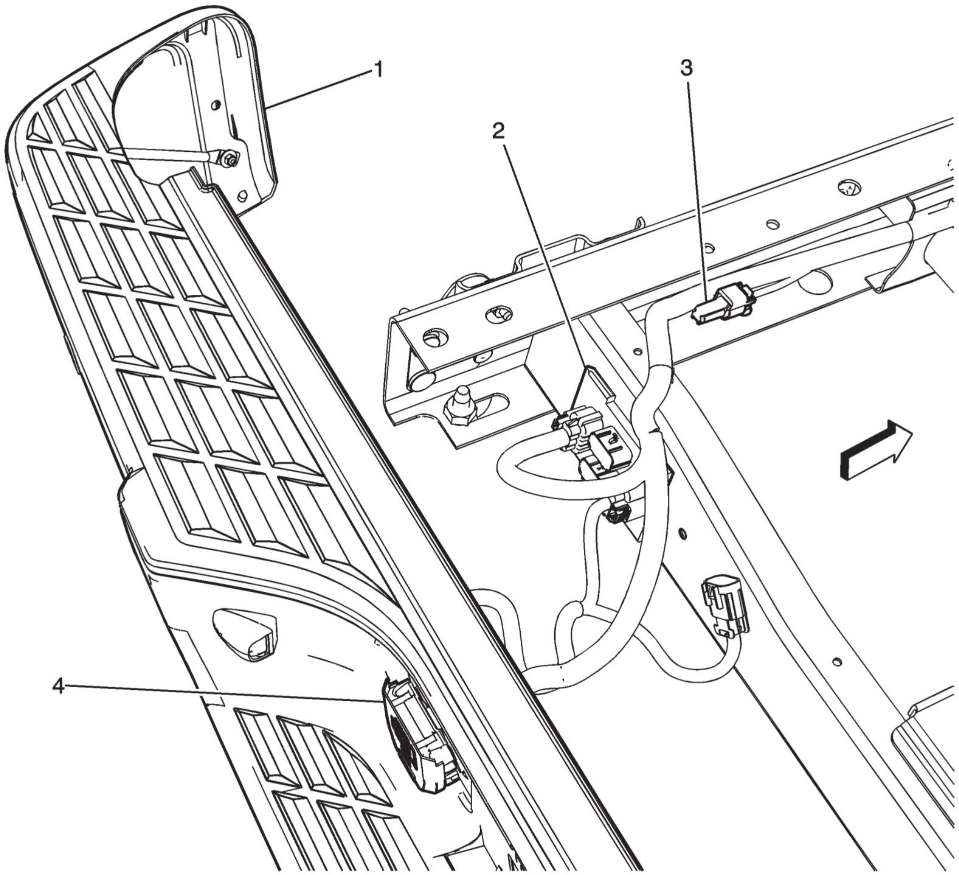
Connector:	7-Way F Metri-Pack 280 630 Series, Sealed
OEM:	15354653
Color:	**BLK**
Service:	15306164
Pins: B	
Terminal/Tray:	12052456/3
Core/Insulation Crimp:	TBD
Release Tool/Test Probe:	TBD
Pins: A, D, F, G	
Terminal/Tray:	12110847/4
Core/Insulation Crimp:	C/5
Release Tool/Test Probe:	15315247/J-35616-4A (PU)
Pins: C, E	
Terminal/Tray:	12110845/4
Core/Insulation Crimp:	F/5
Release Tool/Test Probe:	15315247/J-35616-4A (PU)

Pin	Wire Color	Circuit No.	Function
A	L-GN	1624	Trailer Backup Lamp Supply Voltage
B	WH	22	Ground
C	D-BU	47	Trailer Auxiliary Supply Voltage
D	D-GN	1619	Trailer Right Rear Turn/Stop Lamp Supply Voltage
E	RD/BK	742	Battery Positive Voltage
F	BN	2109	Trailer Park Lamp Supply Voltage
G	YE	1618	Trailer Left Rear Turn/Stop Lamp Supply Voltage





Trailer Connector Location – Pickup & Chassis-Cab



(1) Rear Bumper
(2) Junction Block - Rear Lamps
(3) Terminator Resistor
(4) Trailer Connector (UY7)

Preface: Electrical Schematic Index

THESE SCHEMATICS APPLY TO THE 2007 & 2008 GMT900 PICKUPS AND THE 2008 GMT900 UTILITIES.

- **Preface**
  - Electrical Schematic Index
  - Support Information
  - Change Log
- **AWD/4WD**
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  - Electric 4wd
  - Manual Shift 4wd
- **Brakes/Veh. Speed**
  - ABS
  - ABS-HD
  - Base - Foundation
  - Integrated Trailer Brake Controller
  - Vehicle Stability Enhancement System
  - Integrated Trailer Brake Controller-Series 31
- **Charging**
  - Base - Diesel
  - Base - Gas
- **Closures/Mirrors**
  - Retractable Running Boards
  - Power Liftgate
  - OAT / Compass / Electrochromic
  - Power O/S Rear View Mirrors w/Mods
  - Sunroof - Crew Cab
  - Sunroof - Ext Cab
  - Sunroof - SUV/UUV
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  - Analog Clock
  - DIC & IPC - Chevy/GMC
  - DIC & IPC - Cadillac
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  - Gas - V6
  - Gas - V8
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  - PTO Controls
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  - Electric - Dual
  - Belt Drive - Variable Speed
- **Fuel Systems**
  - Fuel Systems
- **Ground Distribution**
  - Ground Distribution
- **Horns**
  - Horns
- **HVAC**
  - Automatic
  - Defog with Door Modules
  - Manual
- **Infotainment & Telematics**
  - Radio Frequency Antenna
  - Audio
  - Navigation
  - OnStar
  - Rear Seat Audio
  - Rear Seat Entertainment
  - SDARS
  - Speakers - Base / Uplevel
  - Speakers - Premium (Non-Luxury)
  - Speakers - Premium (Luxury)
  - Speakers - Police Package
- **Lights - Exterior**
  - Back Up Lamps
  - Cargo Lamps
  - Emergency Lamp
  - Fog Lamps
  - Headlamps
  - Park Lamps
  - Police Lightning Provisions
  - Stop/Turn
- **Lights - Interior**
  - Lights - Interior
- **Obstacle Detection**
  - Ultrasonic Park Assist - Rear
  - Rear Vision Camera
- **Positioning/Comfort**
  - Electric Adjust Pedals
  - Electric Adjust Pedals w/Memory
  - Cooled/Heated Seats - Front w/Memory
  - Heated Seats - Front w/Memory
  - Heated Seats - Rear
  - Power Driver Seat
  - Power Driver Seat w/Memory
  - Power Passenger Seat
  - Power Fold & Tumble 2nd Row Seats
  - Heated Steering Wheel
- **Protection**
  - SIR - Utility
  - SIR - Pickup
- **Power Distribution**
  - Power Distribution
- **Power Moding/Serial Data**
  - Power Moding/Serial Data
- **Power - External**
  - Power Outlets
  - Auxiliary Battery
  - Cigar Lighter
  - Mobile Radio Provisions
  - Police Power
  - Trailer Brakes
  - Camper/Trailer Wiring
  - Export Trailer
  - Upfitter/SEO
- **Steering**
  - Steering Wheel Controls
- **Suspension Controls**
  - Damping-Automatic (10 Series)
  - Damping-Automatic (20 Series)
  - Leveling 2 Corner (10 Series)
- **Transmission Controls**
  - Trans Shift Interface
  - 4L60E/4L65E
  - 6L80/6L90
  - Allison LCT
- **VASS**
  - Miscellaneous
  - No Door Modules
  - 2 Door Modules
  - Remote Function Actuator - Tire
  - Pressure Monitor
  - Theft (Drive Away)
  - SPO Theft
  - Universal Garage Door Opener
- **Windows**
  - Express Down, No Door Modules
  - Express Down, 2 Door Modules
  - Aux Rear
- **Wipe/Wash**
  - Front Wipers
  - Rear Wipe/Washer
- **Appendix**
  - BCM
  - DDM
  - PDM
  - Module-Export
  - Switchbank-IP

- **Note: All "POA" & "PT" Harnesses shown are for Reference Only. Please see appropriate Component Drawings for Details.**

ARE16299
003
GMT900
GM Proprietary

Thursday, June 29, 2006
2:23:29 pm 2
IEC/ESI

Preface: Electrical Schematic Index

1_08_0_index Panel 1 of 1

2008
GMT900
X
System Status: Object Status:

Preface: Support Information

• Acronyms

- 2WD = Two Wheel Drive
- 4WD = Four Wheel Drive
- A/D = Analog to Digital
- AIR = Air Injection Reaction
- ACCY = Accessory
- AMP = Amplifier or "Current"
- ANLG = Analog
- A/V = Audio/Video
- ABS = Antilock Brake System
- AOS = Auxiliary Occupant Sensing
- ASM = Assembly
- AUX = Auxiliary
- AWD = All Wheel Drive
- BASS = Brake Apply Sensing System
- BATT = Battery
- BCM = Body Control Module
- BEC = Bussed Electrical Center
- BOT = Bottom Of Travel
- CHMSL = Center High Mounted Stop Lamp
- CTSY = Courtesy
- DDM = Driver Door Module
- DIC = Driver Information Center
- DLC = Diagnostic Link Connector
- DLIS = Discrete Logic Ignition Switch
- DOD = Displacement On Demand
- DR = Door
- DRL = Daytime Running Lamps
- DVC = Dual Voice Coil
- DVD = Digital Versatile Disc
- E85 = Ethanol 85%
- EAP = Electric Adjustable Pedals
- ECC = Electronic Climate Control
- ECM = Engine Control Module
- EGR = Exhaust Gas Recirculation
- EHPS = Electro-Hydraulic Power Steering
- EK = Easy Key
- EOSS = Engine Output Speed Sensor
- ESD = Electro Static Discharge
- ETC = Electronic Throttle Control
- EV = Electro-Viscous
- EXP = Export
- EXT = External or Exterior
- FREQ = Frequency
- FRT = Front
- FTP = Flash To Pass
- GMHS = GM High Speed LAN
- GMLS = GM Low Speed LAN
- GND = Ground
- GPM = Glow Plug Module
- GPS = Global Positioning System
- HCM = Hybrid Control Module

• Acronyms (continued)

- HDI = High Discrete Input
- HDLP = Headlamp
- HID = High Intensity Discharge
- HSD = High Side Drive
- HVSM = Heated/Vented Seat Module
- HVAC = Heat Vent Air Condition
- IAH = Intake Air Heater
- IAT = Intake Air Temperature
- INC DIM = Incandescent Dimming
- IND DIM = Indicator Dimming
- IPC = Instrument Panel Cluster
- IR = Infrared
- ISRVM = Inside Rear View Mirror
- LBEC = Left BEC
- LDI = Low Discrete Input
- LF = Left Front
- LED = Light Emitting Diode
- LED DIM = LED Dimming
- LGM = Liftgate Module
- LH = Left Hand
- LIN = Linear Interconnect Network
- LOMA = Lifter Oil Manifold Assembly
- LPM = Linear Power Module
- LR = Left Rear
- LSD = Low Side Drive
- MAF = Mass Air Flow
- MAP = Manifold Absolute Pressure
- MAT = Manifold Air Temperature
- MBEC = Mid BEC
- MDD = Medium Duty Dual Side Clutch
- MDL = Module
- MOV = Metal Oxide Varistor
- MR = Magneto-Rheological
- MSM = Memory Seat Module
- MTR = Motor
- NC = Normally Closed
- NO = Normally Open
- OSRVM = Outside Rear View Mirror
- PAS or PASS = Passenger
- PCP = Pre-Charge Pump
- PDM = Passenger Door Module
- PD = Pull Down
- POA = Part Of Assembly
- PPM = Pulse Per Minute
- PPS = Pedal Position Sensor
- PRNDL = Park Reverse Neutral Drive Low
- PSIR = Passenger SIR
- PTC = Positive Temperature Coefficient
- PTO = Power Take Off
- PTR = Powertrain Relay
- PU = Pull Up

• Acronyms (continued)

- PWM = Pulse Width Modulation
- PWR = Power
- R/C = Run/Crank
- RAP = Retained Accessory Power
- RF = Right Front
- RFA = Remote Function Actuator
- RH = Right Hand
- RHBLK = Right Hand Block (Bussing)
- RPO = Regular Product Option
- RR = Right Rear
- RRBLK = Rear Block (Bussing)
- RSA = Rear Seat Audio
- RSE = Rear Seat Entertainment
- RTD = Real Time Damping
- RVC = Regulated Voltage Control
- RWS = Rear Wheel Steer
- SBAT = Switched Battery
- SDARS = Satellite Digital Audio Radio Services
- SDM = Sensing & Diagnostic Module
- SENS = Sensor or Sensing
- SEO = Special Equipment Option
- SIR = Supplemental Inflatable Restraint
- SNRF = Sunroof
- SRC = Source
- STRG = Steering
- SW = Switch
- SWC = Steering Wheel Controls
- TCM = Transmission Control Module
- TED = Thermal Electrical Device (Platinum Cupholders)
- TISS = Transmission Input Speed Sensor
- TOSS = Transmission Output Speed Sensor
- TOT = Top Of Travel
- TPS = Throttle Position Sensor
- TRLR = Trailer
- TURSS = Turbine Speed Sensor
- TUTD = Tap Up Tap Down
- UBEC = Underhood BEC
- UGDO = Universal Garage Door Opener
- UPA = Ultrasonic Park Assist
- VAR = Variable
- VASS = Vehicle Access & Starting Security
- VHSS = Variable Height Suspension System
- VNC = Vehicle Noise Control
- VSES = Vehicle Stability Enhancement System
- WFHS = Washer Fluid Heating System
- WIF = Water In Fuel
- WUA = Wake Up Analog
- WUD = Wake Up Dual Edge
- WUF = Wake Up Falling Edge
- WUR = Wake Up Rising Edge
- XCVR = Transciever

Preface: Support Information

•Miscellaneous Information

- C = 2WD
- K = 4WD
- 03 = Regular Cab Pickup
- 43 = Crew Cab Pickup
- 53 = Extended Cab Pickup
- 06 = Utility (Both 706 & 906)
- 706 = Regular Utility
- 906 = Large Utility
- 36 = Ultimate Utility Vehicle (UUV)
- 10 = Series (Pickup/Utility/UUV)
- 20 = Series (Pickup/Utility/UUV)
- 30 = Series (Pickup)
- 31 = Series (Cab Chassis)

•900 Numbers

- 901 - Light Duty Pickups - Chevy Silverado
- 902 - Light Duty Pickups - GMC Sierra, (GMC Sierra Denali?)
- 911 - Heavy Duty Pickups - Chevy Silverado
- 912 - Heavy Duty Pickups - GMC Sierra, (GMC Sierra Denali?)
- 921 - Utility - Chevrolet Tahoe
- 922 - Utility - GMC Yukon, (GMC Yukon Denali?)
- 926 - Utility - Cadillac Escalade
- 931 - Large Utility - Chevrolet Suburban
- 932 - Large Utility - GMC Yukon XL, (GMC Yukon Denali XL?)
- 936 - Large Utility - Cadillac Escalade ESV
- 941 - Sport Utility Truck - Chevrolet Avalanche
- 946 - Sport Utility Truck - Cadillac Escalade EXT

•Vehicles by RPO

- 03/43/53 = Chevrolet Silverado / GMC Sierra / GMC Sierra Denali
- 03/43/53&X88 = Chevrolet Silverado
- 03/43/53&Z88 = GMC Sierra / GMC Sierra Denali (43 Only)
- 06 = Cadillac Escalade / Cadillac Escalade ESV / Chevrolet Tahoe / Chevrolet Suburban /
- GMC Yukon / GMC Yukon Denali / GMC Yukon XL / GMC Yukon Denali XL
- 06&X88 = Chevrolet Tahoe / Chevrolet Suburban
- 06&Z75 = Cadillac Escalade / Cadillac Escalade ESV
- 06&Z88 = GMC Yukon / GMC Yukon Denali / GMC Yukon XL / GMC Yukon Denali XL
- 06&Z88&Y91 = GMC Yukon Denali / GMC Yukon Denali XL
- 36 = Chevrolet Avalance / Cadillac Escalade EXT
- 36&X88 = Chevrolet Avalance
- 36&Y91/Z75 = Cadillac Escalade EXT
- 43&Y91 = GMC Sierra Denali
- 43&Y91&Z88 = GMC Sierra Denali
- 706 = Cadillac Escalade / Chevrolet Tahoe / GMC Yukon / GMC Yukon Denali
- 706&X88 = Chevrolet Tahoe
- 706&Y91 = Cadillac Escalade / GMC Yukon Denali
- 706&Y91&Z88 = GMC Yukon Denali
- 706&Z75 = Cadillac Escalade
- 706&Z88 = GMC Yukon / GMC Yukon Denali
- 906 = Cadillac Escalade ESV / Chevrolet Suburban / GMC Yukon XL / GMC Yukon Denali XL
- 906&X88 = Chevrolet Suburban
- 906&Y91 = Cadillac Escalade ESV / GMC Yukon Denali XL
- 906&Y91&Z88 = GMC Yukon Denali XL
- 906&Z75 = Cadillac Escalade ESV
- 906&Z88 = GMC Yukon XL / GMC Yukon Denali XL)

Preface: Support Information

- **RPOs**
  - 03 = Regular Cab Pickup
  - 06 = Utility (Applicable to both 706 & 906)
  - 36 = Ultimate Utility Vehicle (UUV)
  - 43 = Crew Cab Pickup
  - 53 = Extended Cab Pickup
  - 706 = Regular Utility
  - 906 = Large Utility
  - 5W4 = Special Service Package (4WD Police Package)
  - (5W4 contains 6J1, 6J3, 6J4, 6J7, 7X6, 7X7, 9G8, TRW, WX7 & optionally 6A6)
  - 5X7 = Provisions - Wrecker Emergency Lamp (SEO)
  - 5Y0 = Wiring Provisions Body Builder Emergency Lamp (SEO)
  - 6A6 - Dual Battery, 730 CCA
  - 6J1 = Power Supply, 100Amp at Dash and Rear Compartment
  - 6J3 = Wiring Provisions, Grill Lamp & Speakers
  - 6J4 = Wiring Provision, Horn/Siren
  - 6J7 = Wiring Provision, Head Lamp & Tail Lamp Flasher
  - 7X6 = Spot Lamp, LH
  - 7X7 = Spot Lamp, LH & RH
  - 7Z1 = Horn - Dual Hight Note (SEO)
  - 6A6 - Dual Battery, 600 CCA & 770 CCA (SEO)
  - 8S3 = Alarm B/U Electrical 97 Decibels (SEO)
  - 8S8 = Wiring Provisions Odometer Security (SEO) {Unused?}
  - 8X5 = Generator 105 Amp, Dual (SEO) (w/o YF2)
  - 906 = Large Utility
  - 9G8 = DRL Delete
  - 9L4 = Wiring Provisions 12V Power Supply
  - A31 = Window, Electric Operated, Side
  - A48 = Window RR Full Width, Sliding, Power
  - ABV = Window Power Operated, RR Side Access Drs
  - AG1 = Driver Power Seat
  - AG2 = Passenger Power Seat
  - AL0 = Auxiliary Occupant Sensing (AOS)
  - AN3 = Memory Driver Seat
  - AP3 = Lock Control, Entry Remote, Keyless Entry, Start
  - AP8 = Lock Control, Entry Remote Entry, Extended Range (Remote Start Ready)
  - ARS = Power Fold & Tumble 2nd Row Seats
  - AS3 (with ASF) = Third Row Roof Rail Airbags
  - ASF = Restraint Roof Side, LH & RH, Inflatable
  - AU0 = Lock Control Remote Entry
  - AU3-YE9 = Base Power Locks
  - AZ3 = Seat Frt Split, Driver, Pass, Full Feature Center
  - BRS = Retractable Runningboard
  - C25 = Wiper/Washer System, Rear Window
  - C36 = Heater Auxiliary
  - C42 = Manual Heater Only
  - C49 = Rear Window Defog
  - C67 = HVAC System Air Conditioning FRT Electronic Controls
  - C69 = HVAC System RR Air Conditioner
  - C99 = Switch Infl Rst I/P Mdl Man Suppression
- **RPOs (continued)**
  - CE1 = Wiper System Windshield, Pulse, Moisture Sensitive
  - CF5 = Roof Sun, Glass, Sliding, Elec
  - CJ2 = Dual HVAC System Auto Temp Cont
  - CJ3 = Dual HVAC System Man Temp Cont
  - D07 = Console Frt Compt, Floor, Custom
  - DBL2751 = 2751 Double Ring Terminal
  - DD8 = Mirror I/S R/V Electrochromic
  - DH6 = Mirror I/S, Visor Vanity, LH & RH Sunshade (ILLUM)
  - DL3 = Mirror O/S LH & RH, Rem Cont, Elec, Heat, Pwr Fold, Turn Sig, Electrochromic
  - DL8 = Mirror O/S LH & RH, Rem Cont, Elec, Heated, Manual Fold
  - DNU = Equipment, Additional DVD Screen
  - DPN = OSRVM w/ Elect, Heat, Turn
  - DR4 = OSRVM, Electric, Heated, Light Sensitive, Power Folding, Turn Signal (Export?)
  - DT4 = Factory Installed Cigar Lighter (Cadillac Only)
  - E52 = One Piece Lift Gate With Lift Glass
  - E61 = Door RR Liftgate, Power
  - EVA = Evap Emission
  - EXPORT = European Export Content (awaiting RPO)
  - G69 = Level Control Auto, Air, HD
  - HVY = Heavy Duty Models (20HD, 30, 31)
  - (-HVY) = Light Duty Models (10, 20LD)
  - JD3 = Brake System, Vacuum, ABS Controls, 7,700 Lbs
  - JF3 = Brake System, Vacuum, ABS Controls, 7,000 Lbs
  - JF4 = Pedals Adjustable, Power
  - JF7 = Brake System, Vacuum, ABS Controls, 6,400 Lbs
  - JH6 = Brake Hyd Power, 4 Whl Disc, 9,900 Lbs
  - JH7 = Brake Hyd Power, 4 Whl Disc, 12,300 Lbs
  - JL1 = Integrated Trailer Brake Controller
  - JL0 = Active Brake Control (VSES) Not Desired
  - JL4 = Control Active Brake (VSES)
  - K18 = Reactor System Air Injection, Electric
  - K34 = Cruise Control, Electric
  - K65 = Generators 105 Amp, Dual,
  - KA6 = Heater Seat, Rear
  - KA9 = Heater Steering Wheel
  - KB6 = Heater Seat, Cooling, Frt
  - L76 = 6.0L V8 Gasoline Engine (Aluminum - DOD)
  - L92 = 6.0L V8 Gasoline Engine (Aluminum - DOD)
  - LC9 = 5.3L V8 E85 Engine (Aluminum - DOD)
  - LH6 = 5.3L V8 Gasoline Engine (Aluminum - DOD)
  - LMG = 5.3L V8 Gasoline Engine (Iron - DOD) E85
  - LMM = Engine Diesel 8 cyl, 6.6L, DPI, V8, Duramax
  - LU3 = 4.3L V6 Gasoline Engine (Iron)
  - LY2 = 4.8L V8 Gasoline Engine (Iron)
  - LY5 = 5.3L V8 Gasoline Engine (Iron - DOD)
  - LY6 = 6.0L V8 Gasoline Engine (Iron)
  - M30 = Transmission Auto 4 Speed, HMD, 4L60E, Electronic
  - M70 = Transmission Auto 4 Spd, HMD, 4L70-E, Super Duty
  - M96 = Transmission Manual 5 Speed, Tremec, 190 mm

Preface: Support Information

- RPOs (continued)
  - MW7 = Transmission Auto 5 Speed, Allison LCT, O/D, Conv Clutch
  - MYC = Transmission Auto 6 Speed, HMD, 6L80
  - MYD = Transmission Auto 6 Speed, HMD, 6L90
  - NP8 = Transfer Case Active, 2 Speed, Push Button Cont.
  - (-NQZ) = Dual Fuel Tanks {NQZ = 18 Gal Fuel Tank Delete}
  - NQF = Transfer Case Electric Shift Cont, Two Speed, Alum
  - NQG = Transfer Case Manual Shift Cont, Two Speed, Alum
  - NQH = Transfer Case Active, Two Speed, Push Button Control, Alum
  - PPV = Police Package (2WD)
  - (PPV contains 6J1, 6J3, 6J4, 6J7, 7X6, 7X7, 9G8, JL0, TRW, WX7, & optionally 6A6)
  - PTO = Provisions Power Take Off Controls
  - R05 = Dual Rear Wheels
  - SERIES10 = 10 Series (Pickup/Utility/UUV)
  - SERIES20 = 20 Series (Pickup/Utility/UUV)
  - SERIES30 = 30 Series (Pickup)
  - SERIES31 = 31 Series (Cab Chassis)
  - SPLSVRLS = Low Speed GMLAN Splice Saver
  - T61 = Daytime Running Lamps
  - T79 = Lamp Fog, Rr
  - T96 = Lamp Fog, Frt
  - TP2 = Auxiliary Battery
  - TQ5 = Control Intelligent High Beam
  - TR2 = Lamp Side Repeater (Export)
  - TRW = Provisions - Roof Mount Emergency Lamp
  - TZ0 = Transmission Manual 5 Speed, Tremec, 85 mm
  - U01 = Lamp Five, Roof Marker, Truck
  - U2K = Digital Audio System S-Band (SDARS)
  - U3R = Radio AM/FM Stereo, WX, Seek/Scan, CD, DVD, Nav, Clock, DSP, RDS, w/Voice Rec Micro (Cadillac)
  - U3U = Radio AM/FM Stereo, Seek/Scan, DVD, CD, Clock ETR, Navigation, Voice Rec, MP3 (Chevy/GMC)
  - U42 = Entertainment System Rear Seat (DVD)
  - U84 = Antenna Body Side Window, Radio
  - UA6 = Theft Deterrent System (Export)
  - UD7 = Sensor Indicator Rear Parking Assist (Ultrasonic)
  - UE1 = OnStar Remote
  - UG1 = Opener Garage Door, Universal
  - UJ6 = Indicator Low Tire Press
  - UK3 = Electronic System Steering Wheel Accessory Controls
  - UK6 = Radio Control Rear Seat & Earphone Jacks (Only Available with UQA/UQS)
  - UL5 = Radio Delete
  - UQ3 = Uplevel Speaker Package
  - UQ5 = Base Speaker Package
  - UQA-Y91 = Premium Non-Luxury Speaker System (6-Channel Bose)
  - UQA&Y91 = Premium Luxury Speaker System (9-Channel Bose)
  - UQS = Premium Luxury Speaker System (9-Channel Bose with Surround)
  - UVB = Radio AM/FM Stereo, Seek/Scan, Auto Tone, CD, CD-R MP3, DVD, Nav, Clock, ETR, RDS (Chevy/GMC Non-Luxury)
  - UVC = Camera Rear View
  - UY2 = Wiring Provisions Camper & 5th Wheel Trailer
  - UY7 = Wiring Harness Truck Trailer, HD

- RPOs (continued)
  - VYU = Provisions Snow Plow
  - WX7 = Speaker Wiring Provision
  - X88 = Chevrolet
  - XA7 = Washer Nozzles, Heated, Windshield (WFHS)
  - Y91 = Luxury Trim (Includes YE9)
  - YE9 = Uplevel Trim
  - (-YE9) = Base Trim
  - YF2 = Sales Package Ambulance Upfitter (Generators, Lighting)
  - Z49 = Export Canadian Modif Mandatory Base Equipment
  - Z55 = Chassis Package Bi-State Real Time Damping
  - Z75 = Cadillac
  - Z82 = Trailer Provisions Special Equipment, H.D.
  - Z88 = GMC

Preface: Change Log

DATE	EACR	DESCRIPTION OF CHANGE
DYMOYR	####	DESCRIPTION OF CHANGE (APPROXIMATELY 75 CHARACTERS MAXIMUM)

ARE16301
003
GMT900
GM Proprietary

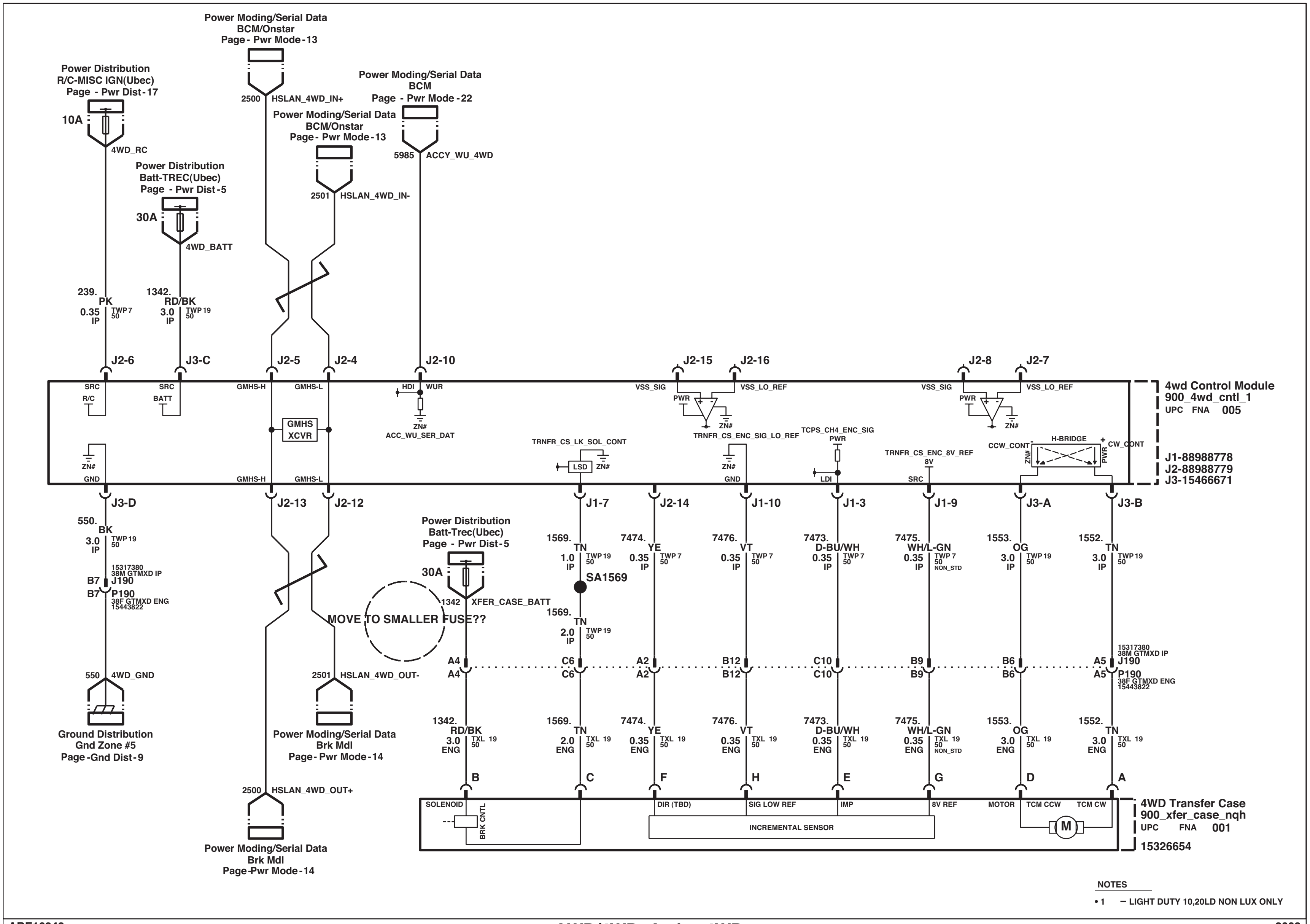
Thursday, June 29, 2006
2:48:53 pm 2
IEC/ESI

Preface: Change Log

1_08_0_log Panel 1 of 1

2008
GMT900
X
System Status: Object Status:

AWD/4WD: Active 4WD


Power Moding/Serial Data
BCM/Onstar
Page - Pwr Mode - 13
2500 HSLAN_4WD_IN+
Power Distribution
R/C-MISC IGN(Ubec)
Page - Pwr Dist - 17
10A
4WD_RC
Power Moding/Serial Data
BCM
Page - Pwr Mode - 22
Power Moding/Serial Data
BCM/Onstar
Page - Pwr Mode - 13
5985 ACCY_WU_4WD
2501 HSLAN_4WD_IN-
Power Distribution
Batt-TREC(Ubec)
Page - Pwr Dist - 5
30A
4WD_BATT
239. PK 0.35 IP TWP 7 50
1342. RD/BK 3.0 IP TWP 19 50
J2-6
J3-C
J2-5
J2-4
J2-10
J2-15
J2-16
J2-8
J2-7
SRC R/C
SRC BATT
GMHS-H
GMHS-L
HDI
WUR
ZN#
ACC_WU_SER_DAT
GMHS XCVR
VSS_SIG
VSS_LO_REF
PWR
ZN#
TRNFR_CS_ENC_SIG_LO_REF
TCPS_CH4_ENC_SIG
PWR
TRNFR_CS_ENC_8V_REF
8V
SRC
LDI
TRNFR_CS_LK_SOL_CONT
LSD
ZN#
GND
CCW_CONT
H-BRIDGE
CW_CONT
PWR
4wd Control Module
900_4wd_cntl_1
UPC FNA 005
J1-88988778
J2-88988779
J3-15466671
J3-D
J2-13
J2-12
J1-7
J2-14
J1-10
J1-3
J1-9
J3-A
J3-B
550. BK 3.0 IP TWP 19 50
15317380 38M GTMXD IP
B7 J190
B7 P190
38F GTMXD ENG 15443822
Power Distribution
Batt-Trec(Ubec)
Page - Pwr Dist - 5
30A
1342 XFER_CASE_BATT
MOVE TO SMALLER FUSE??
1569. TN 1.0 IP TWP 19 50
SA1569
1569. TN 2.0 IP TWP 19 50
7474. YE 0.35 IP TWP 7 50
7476. VT 0.35 IP TWP 7 50
7473. D-BU/WH 0.35 IP TWP 7 50
7475. WH/L-GN 0.35 IP TWP 7 50 NON_STD
1553. OG 3.0 IP TWP 19 50
1552. TN 3.0 IP TWP 19 50
15317380 38M GTMXD IP
A5 J190
A5 P190
38F GTMXD ENG 15443822
A4 A4
C6 C6
A2 A2
B12 B12
C10 C10
B9 B9
B6 B6
550 4WD_GND
2501 HSLAN_4WD_OUT-
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9
Power Moding/Serial Data
Brk Mdl
Page - Pwr Mode - 14
1342. RD/BK 3.0 ENG TXL 19 50
1569. TN 2.0 ENG TXL 19 50
7474. YE 0.35 ENG TXL 19 50
7476. VT 0.35 ENG TXL 19 50
7473. D-BU/WH 0.35 ENG TXL 19 50
7475. WH/L-GN 0.35 ENG TXL 19 50 NON_STD
1553. OG 3.0 ENG TXL 19 50
1552. TN 3.0 ENG TXL 19 50
B
C
F
H
E
G
D
A
2500 HSLAN_4WD_OUT+
SOLENOID
BRK CNTL
DIR (TBD)
SIG LOW REF
IMP
8V REF
MOTOR
TCM CCW
TCM CW
INCREMENTAL SENSOR
M
4WD Transfer Case
900_xfer_case_nqh
UPC FNA 001
15326654
Power Moding/Serial Data
Brk Mdl
Page-Pwr Mode - 14
NOTES
• 1 – LIGHT DUTY 10,20LD NON LUX ONLY

ARE16348
003
GMT900
GM Proprietary

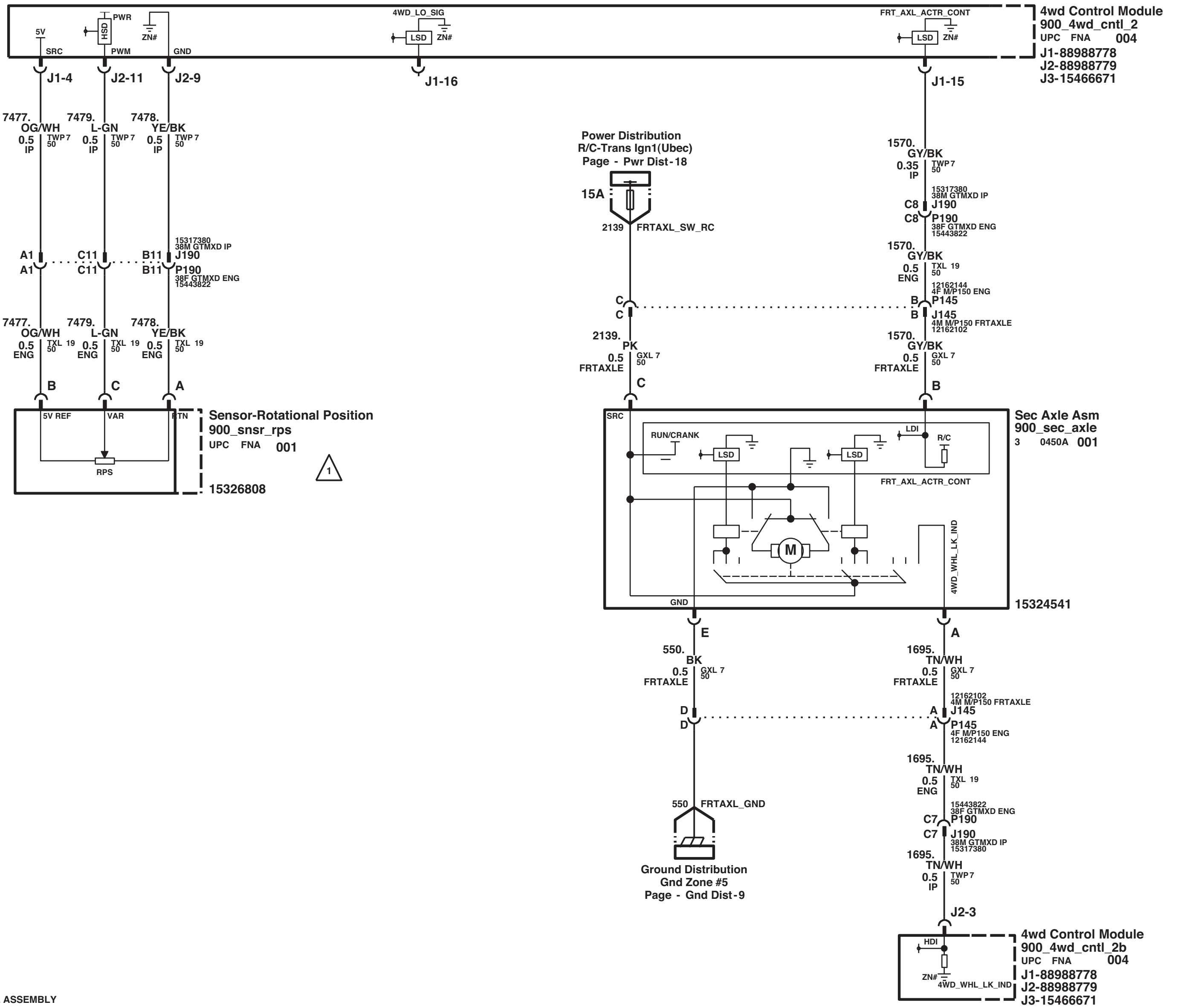
Thursday, September 7, 2006
6:38:16 am 4
IEC/ESI

AWD/4WD: Active 4WD

1_08_awd_4wd_act_mag Panel 1 of 4 &NQH

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Active 4WD


4wd Control Module
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UPC FNA 004
J1-88988778
J2-88988779
J3-15466671
5V
SRC
PWR
HSD
ZN#
PWM
GND
4WD_LO_SIG
LSD
FRT_AXL_ACTR_CONT
J1-4
J2-11
J2-9
J1-16
J1-15
7477. OG/WH 0.5 IP TWP 7 50
7479. L-GN 0.5 IP TWP 7 50
7478. YE/BK 0.5 IP TWP 7 50
A1 C11 B11 J190 15317380 38M GTMXD IP
A1 C11 B11 P190 38F GTMXD ENG 15443822
7477. OG/WH 0.5 ENG TXL 19 50
7479. L-GN 0.5 ENG TXL 19 50
7478. YE/BK 0.5 ENG TXL 19 50
B
C
A
5V REF
VAR
RTN
RPS
Sensor-Rotational Position
900_snsr_rps
UPC FNA 001
15326808
1
Power Distribution
R/C-Trans Ign1(Ubec)
Page - Pwr Dist-18
15A
2139 FRTAXL_SW_RC
C
C
2139. PK 0.5 FRTAXLE GXL 7 50
C
1570. GY/BK 0.35 IP TWP 7 50
15317380 38M GTMXD IP
C8 J190
C8 P190 38F GTMXD ENG 15443822
1570. GY/BK 0.5 ENG TXL 19 50
12162144 4F M/P150 ENG
B P145
B J145 4M M/P150 FRTAXLE 12162102
1570. GY/BK 0.5 FRTAXLE GXL 7 50
B
SRC
RUN/CRANK
LSD
LDI
R/C
FRT_AXL_ACTR_CONT
M
4WD_WHL_LK_IND
GND
Sec Axle Asm
900_sec_axle
3 0450A 001
15324541
E
A
550. BK 0.5 FRTAXLE GXL 7 50
D
D
1695. TN/WH 0.5 FRTAXLE GXL 7 50
12162102 4M M/P150 FRTAXLE
A J145
A P145 4F M/P150 ENG 12162144
1695. TN/WH 0.5 ENG TXL 19 50
15443822 38F GTMXD ENG
C7 P190
C7 J190 38M GTMXD IP 15317380
1695. TN/WH 0.5 IP TWP 7 50
550 FRTAXL_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist-9
J2-3
HDI
ZN#
4WD_WHL_LK_IND
4wd Control Module
900_4wd_cntl_2b
UPC FNA 004
J1-88988778
J2-88988779
J3-15466671

NOTES

- 1 – RPS IS POA TRANSFER CASE ASSEMBLY

ARE16348
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:38:16 am 4
IEC/ESI

AWD/4WD: Active 4WD

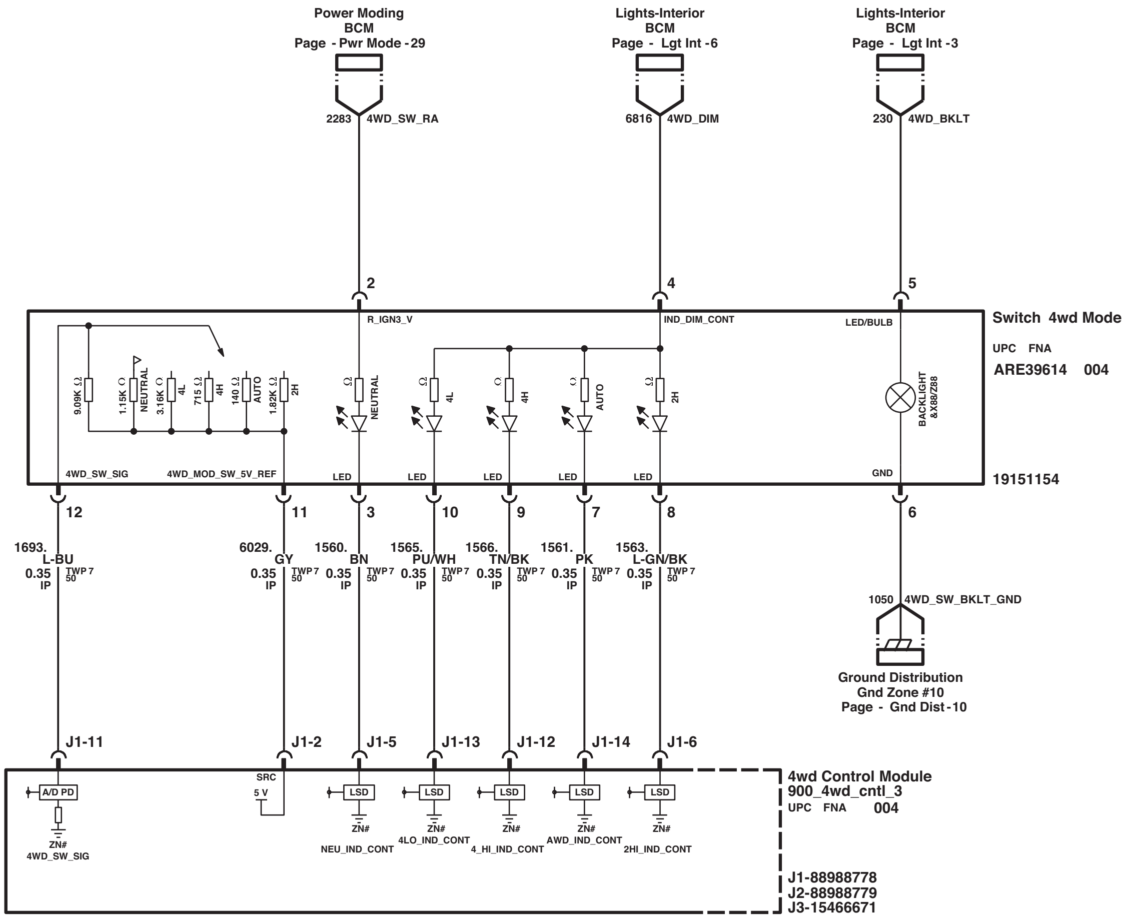
1_08_awd_4wd_act_mag Panel 2 of 4

Panel Set: 2

&NQH

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Active 4WD


Power Moding
BCM
Page - Pwr Mode - 29
2283 4WD_SW_RA
Lights-Interior
BCM
Page - Lgt Int - 6
6816 4WD_DIM
Lights-Interior
BCM
Page - Lgt Int - 3
230 4WD_BKLT
2
4
5
R_IGN3_V
IND_DIM_CONT
LED/BULB
Switch 4wd Mode
UPC FNA
ARE39614 004
9.09K Ω
1.15K Ω NEUTRAL
3.16K Ω 4L
715 Ω 4H
140 Ω AUTO
1.82K Ω 2H
Ω NEUTRAL
Ω 4L
Ω 4H
Ω AUTO
Ω 2H
BACKLIGHT &X88/Z88
4WD_SW_SIG
4WD_MOD_SW_5V_REF
LED
LED
LED
LED
LED
GND
19151154
12
11
3
10
9
7
8
6
1693. L-BU 0.35 IP TWP 7 50
6029. GY 0.35 IP TWP 7 50
1560. BN 0.35 IP TWP 7 50
1565. PU/WH 0.35 IP TWP 7 50
1566. TN/BK 0.35 IP TWP 7 50
1561. PK 0.35 IP TWP 7 50
1563. L-GN/BK 0.35 IP TWP 7 50
1050 4WD_SW_BKLT_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 10
J1-11
J1-2
J1-5
J1-13
J1-12
J1-14
J1-6
A/D PD
ZN#
4WD_SW_SIG
SRC
5 V
LSD
ZN#
NEU_IND_CONT
LSD
ZN#
4LO_IND_CONT
LSD
ZN#
4_HI_IND_CONT
LSD
ZN#
AWD_IND_CONT
LSD
ZN#
2HI_IND_CONT
4wd Control Module
900_4wd_cntl_3
UPC FNA 004
J1-88988778
J2-88988779
J3-15466671

ARE16348
003
GMT900
GM Proprietary

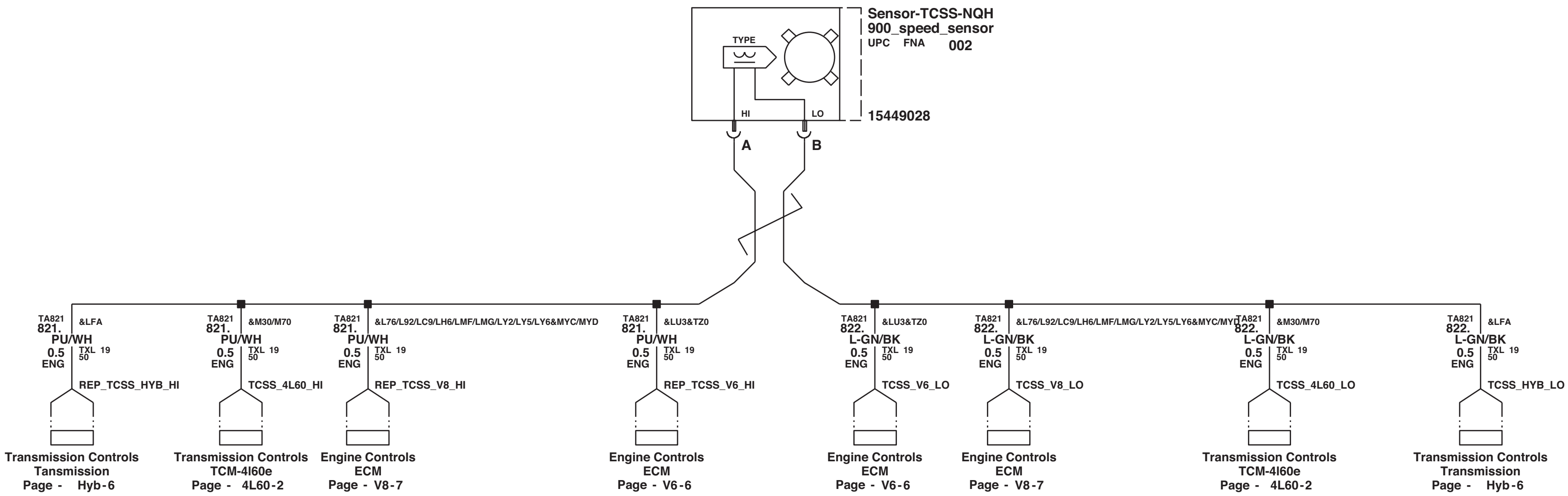
Thursday, September 7, 2006
6:38:16 am 4
IEC/ESI

AWD/4WD: Active 4WD

1_08_awd_4wd_act_mag Panel 3 of 4 &NQH Panel Set: 3

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Active 4WD


Sensor-TCSS-NQH
900_speed_sensor
UPC FNA 002
TYPE
HI
LO
15449028
A
B
TA821
821.
&LFA
PU/WH
0.5
ENG
TXL 19
50
REP_TCSS_HYB_HI
Transmission Controls
Tansmission
Page - Hyb-6
TA821
821.
&M30/M70
PU/WH
0.5
ENG
TXL 19
50
TCSS_4L60_HI
Transmission Controls
TCM-4l60e
Page - 4L60-2
TA821
821.
&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
PU/WH
0.5
ENG
TXL 19
50
REP_TCSS_V8_HI
Engine Controls
ECM
Page - V8-7
TA821
821.
&LU3&TZ0
PU/WH
0.5
ENG
TXL 19
50
REP_TCSS_V6_HI
Engine Controls
ECM
Page - V6-6
TA821
822.
&LU3&TZ0
L-GN/BK
0.5
ENG
TXL 19
50
TCSS_V6_LO
Engine Controls
ECM
Page - V6-6
TA821
822.
&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
L-GN/BK
0.5
ENG
TXL 19
50
TCSS_V8_LO
Engine Controls
ECM
Page - V8-7
TA821
822.
&M30/M70
L-GN/BK
0.5
ENG
TXL 19
50
TCSS_4L60_LO
Transmission Controls
TCM-4l60e
Page - 4L60-2
TA821
822.
&LFA
L-GN/BK
0.5
ENG
TXL 19
50
TCSS_HYB_LO
Transmission Controls
Transmission
Page - Hyb-6

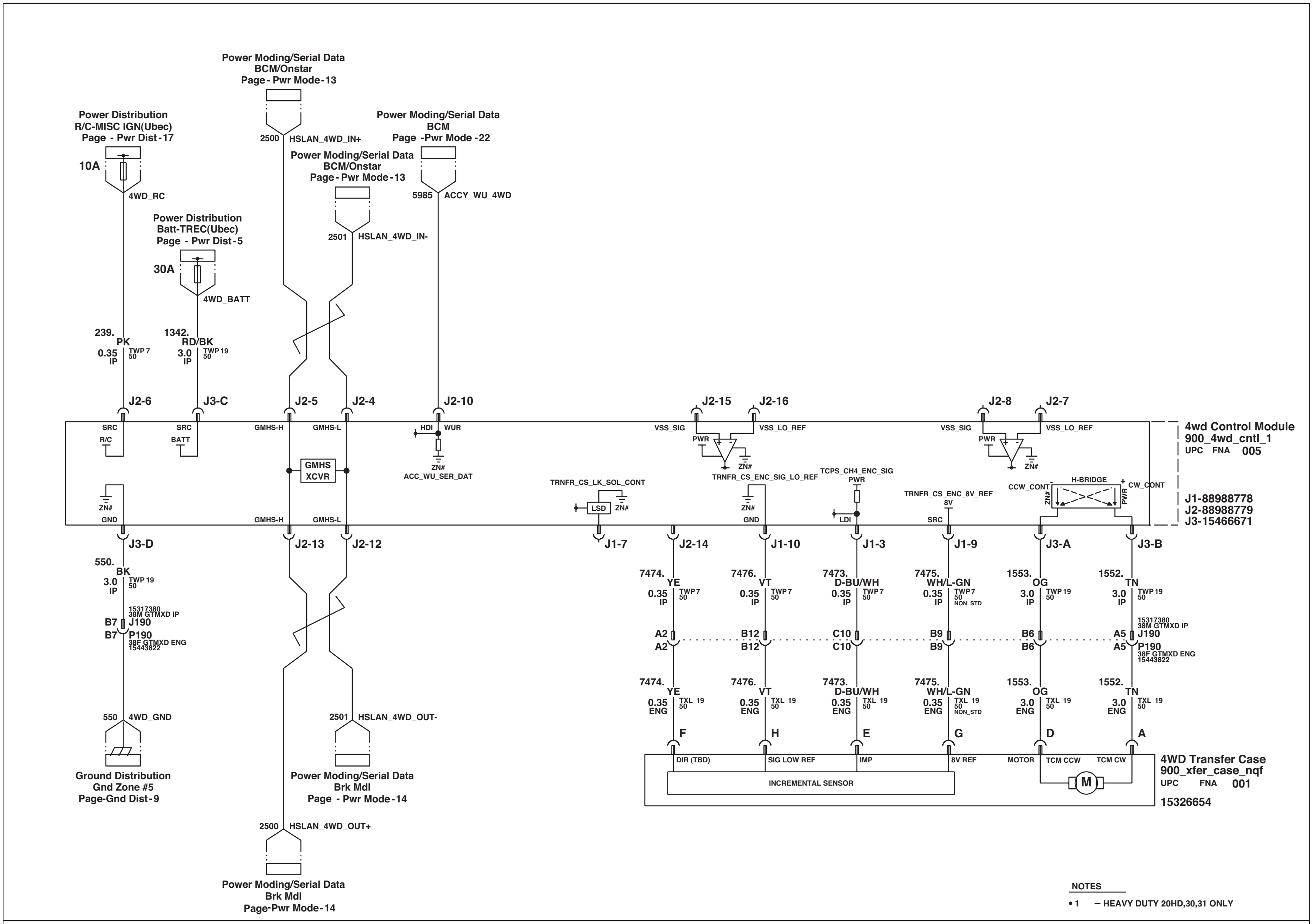
ARE16348
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:38:16 am 4
IEC/ESI

AWD/4WD: Active 4WD
1_08_awd_4wd_act_mag Panel 4 of 4
Panel Set: 4
&NQH

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Electric 4WD


Power Distribution
R/C-MISC IGN(Ubec)
Page - Pwr Dist-17
10A
4WD_RC
Power Moding/Serial Data
BCM/Onstar
Page- Pwr Mode-13
2500 HSLAN_4WD_IN+
Power Moding/Serial Data
BCM/Onstar
Page- Pwr Mode-13
2501 HSLAN_4WD_IN-
Power Moding/Serial Data
BCM
Page -Pwr Mode-22
5985 ACCY_WU_4WD
Power Distribution
Batt-TREC(Ubec)
Page - Pwr Dist-5
30A
4WD_BATT
239.
PK
0.35 IP
TWP 7 50
1342.
RD/BK
3.0 IP
TWP 19 50
J2-6
J3-C
J2-5
J2-4
J2-10
J2-15
J2-16
J2-8
J2-7
SRC
R/C
SRC
BATT
GMHS-H
GMHS-L
GMHS
XCVR
HDI
WUR
ZN#
ACC_WU_SER_DAT
VSS_SIG
PWR
ZN#
VSS_LO_REF
VSS_SIG
PWR
ZN#
VSS_LO_REF
4wd Control Module
900_4wd_cntl_1
UPC FNA 005
TRNFR_CS_LK_SOL_CONT
LSD
ZN#
TRNFR_CS_ENC_SIG_LO_REF
ZN#
GND
TCPS_CH4_ENC_SIG
PWR
LDI
TRNFR_CS_ENC_8V_REF
8V
SRC
CCW_CONT
H-BRIDGE
CW_CONT
ZN#
PWR
J1-88988778
J2-88988779
J3-15466671
ZN#
GND
GMHS-H
GMHS-L
J3-D
J2-13
J2-12
J1-7
J2-14
J1-10
J1-3
J1-9
J3-A
J3-B
550.
BK
3.0 IP
TWP 19 50
15317380
38M GTMXD IP
B7 J190
B7 P190
38F GTMXD ENG
15443822
550 4WD_GND
Ground Distribution
Gnd Zone #5
Page-Gnd Dist-9
2501 HSLAN_4WD_OUT-
Power Moding/Serial Data
Brk Mdl
Page - Pwr Mode-14
2500 HSLAN_4WD_OUT+
Power Moding/Serial Data
Brk Mdl
Page-Pwr Mode-14
7474. YE 0.35 IP TWP 7 50
7476. VT 0.35 IP TWP 7 50
7473. D-BU/WH 0.35 IP TWP 7 50
7475. WH/L-GN 0.35 IP TWP 7 50 NON_STD
1553. OG 3.0 IP TWP 19 50
1552. TN 3.0 IP TWP 19 50
15317380
38M GTMXD IP
A2 A2
B12 B12
C10 C10
B9 B9
B6 B6
A5 J190
A5 P190
38F GTMXD ENG
15443822
7474. YE 0.35 ENG TXL 19 50
7476. VT 0.35 ENG TXL 19 50
7473. D-BU/WH 0.35 ENG TXL 19 50
7475. WH/L-GN 0.35 ENG TXL 19 50 NON_STD
1553. OG 3.0 ENG TXL 19 50
1552. TN 3.0 ENG TXL 19 50
F
H
E
G
D
A
DIR (TBD)
SIG LOW REF
IMP
8V REF
MOTOR
TCM CCW
TCM CW
INCREMENTAL SENSOR
M
4WD Transfer Case
900_xfer_case_nqf
UPC FNA 001
15326654
NOTES
• 1 – HEAVY DUTY 20HD,30,31 ONLY

ARE16350
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:42:39 am 4
IEC/ESI

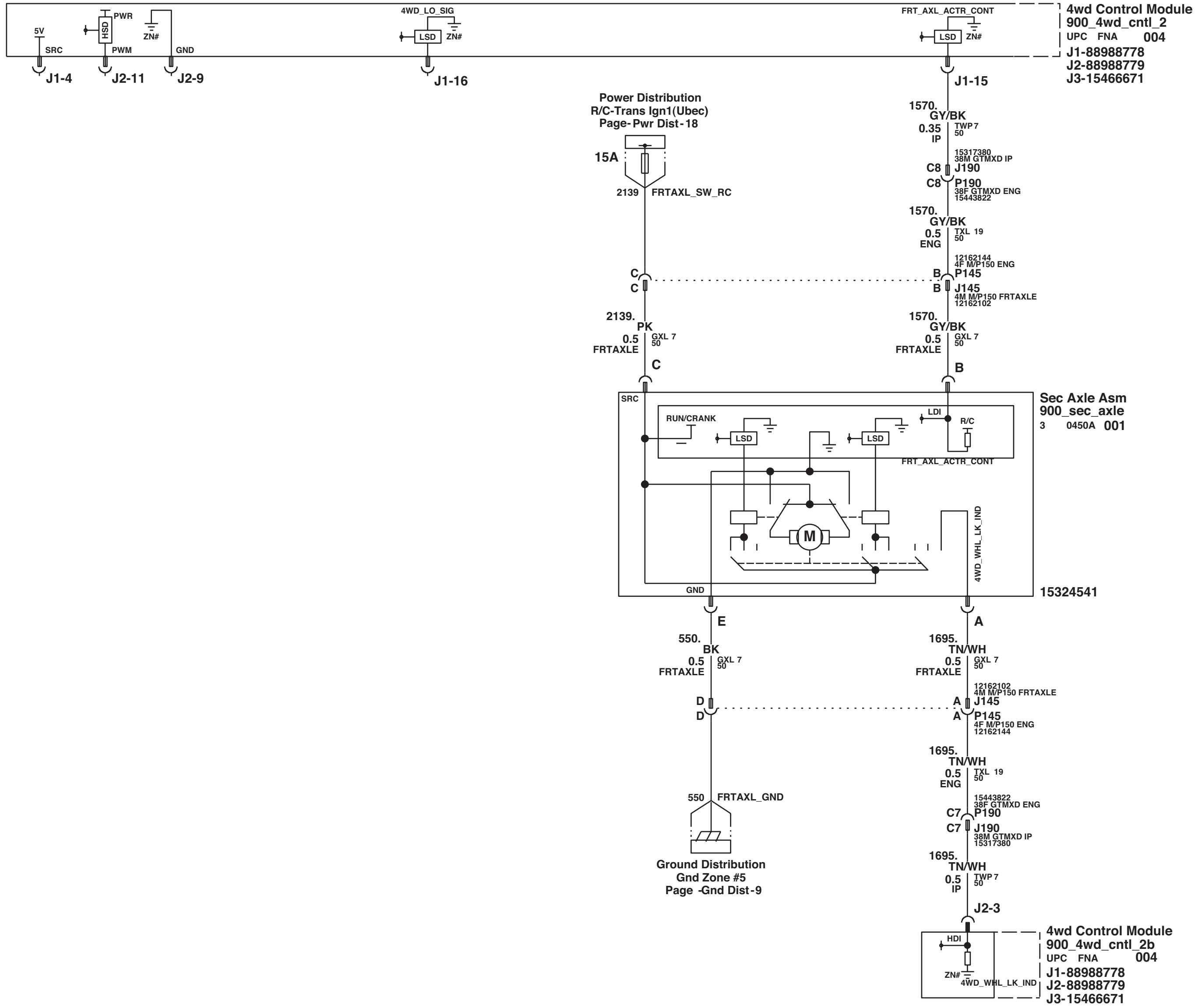
AWD/4WD: Electric 4WD
1_08_awd_4wd_elec_mag Panel 1 of 4

Panel Set: 1

&NQF

2008
GMT900
IVER
System Status:
Object Status:

AWD/4WD: Electric 4WD


4wd Control Module
900_4wd_cntl_2
UPC FNA 004
J1-88988778
J2-88988779
J3-15466671
5V
SRC
PWR
HSD
PWM
ZN#
GND
J1-4
J2-11
J2-9
4WD_LO_SIG
LSD
ZN#
J1-16
FRT_AXL_ACTR_CONT
LSD
ZN#
J1-15
Power Distribution
R/C-Trans Ign1(Ubec)
Page- Pwr Dist-18
15A
2139 FRTAXL_SW_RC
1570.
GY/BK
0.35
IP
TWP 7
50
15317380
38M GTMXD IP
C8 J190
C8 P190
38F GTMXD ENG
15443822
1570.
GY/BK
0.5
ENG
TXL 19
50
12162144
4F M/P150 ENG
C
C
B P145
B J145
4M M/P150 FRTAXLE
12162102
2139.
PK
0.5
FRTAXLE
GXL 7
50
C
1570.
GY/BK
0.5
FRTAXLE
GXL 7
50
B
Sec Axle Asm
900_sec_axle
3 0450A 001
SRC
RUN/CRANK
LSD
LSD
LDI
R/C
FRT_AXL_ACTR_CONT
M
4WD_WHL_LK_IND
GND
15324541
E
A
550.
BK
0.5
FRTAXLE
GXL 7
50
1695.
TN/WH
0.5
FRTAXLE
GXL 7
50
12162102
4M M/P150 FRTAXLE
D
D
A J145
A P145
4F M/P150 ENG
12162144
1695.
TN/WH
0.5
ENG
TXL 19
50
550 FRTAXL_GND
Ground Distribution
Gnd Zone #5
Page -Gnd Dist-9
15443822
38F GTMXD ENG
C7 P190
C7 J190
38M GTMXD IP
15317380
1695.
TN/WH
0.5
IP
TWP 7
50
J2-3
HDI
ZN#
4WD_WHL_LK_IND
4wd Control Module
900_4wd_cntl_2b
UPC FNA 004
J1-88988778
J2-88988779
J3-15466671

ARE16350
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:42:39 am 4
IEC/ESI

AWD/4WD: Electric 4WD

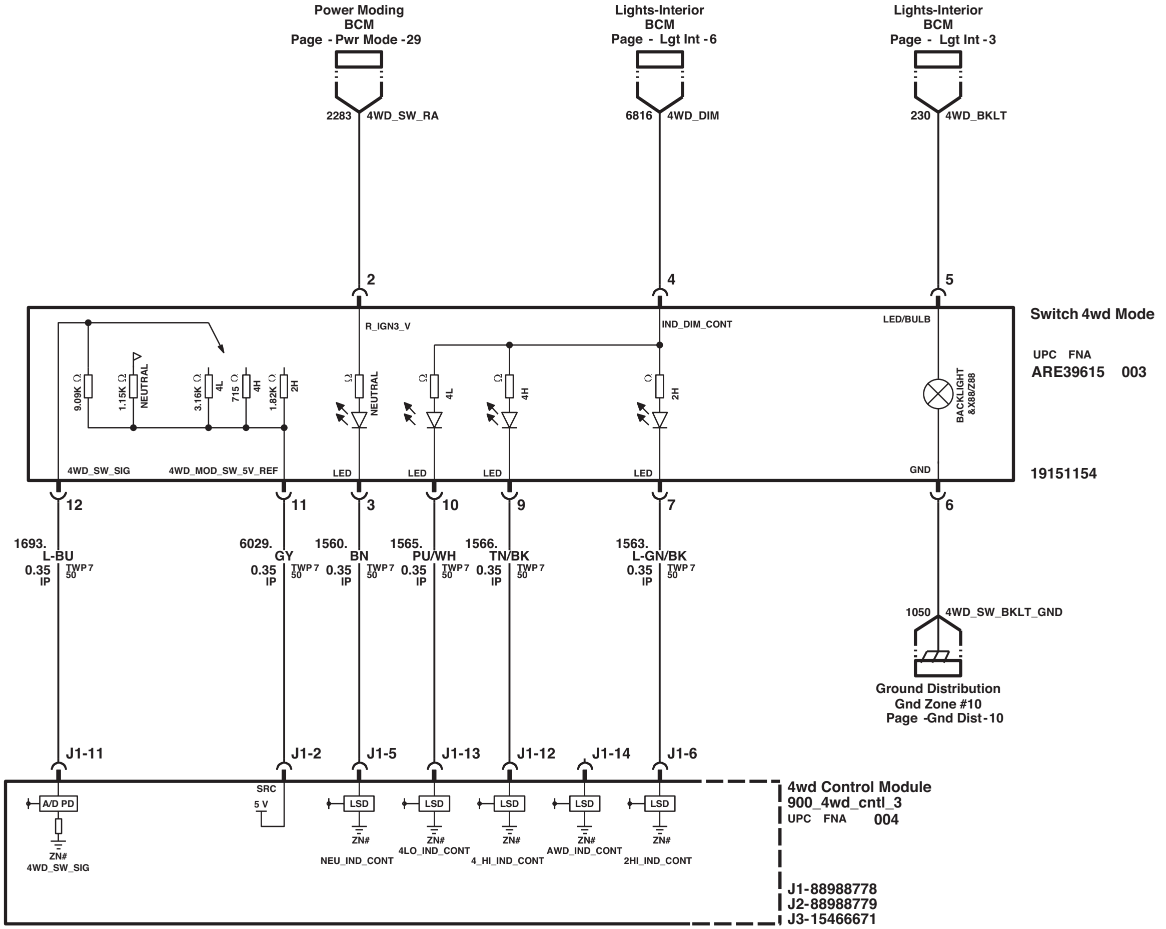
1_08_awd_4wd_elec_mag Panel 2 of 4

Panel Set: 2

&NQF

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Electric 4WD


Power Moding
BCM
Page - Pwr Mode -29
2283 4WD_SW_RA
Lights-Interior
BCM
Page - Lgt Int -6
6816 4WD_DIM
Lights-Interior
BCM
Page - Lgt Int -3
230 4WD_BKLT
2
4
5
R_IGN3_V
IND_DIM_CONT
LED/BULB
Switch 4wd Mode
UPC FNA
ARE39615 003
9.09K Ω
1.15K Ω
NEUTRAL
3.16K Ω
4L
715 Ω
4H
1.82K Ω
2H
Ω
NEUTRAL
Ω
4L
Ω
4H
Ω
2H
BACKLIGHT &X88/Z88
4WD_SW_SIG
4WD_MOD_SW_5V_REF
LED
LED
LED
LED
GND
19151154
12
11
3
10
9
7
6
1693.
L-BU
0.35 IP
TWP 7 50
6029.
GY
0.35 IP
TWP 7 50
1560.
BN
0.35 IP
TWP 7 50
1565.
PU/WH
0.35 IP
TWP 7 50
1566.
TN/BK
0.35 IP
TWP 7 50
1563.
L-GN/BK
0.35 IP
TWP 7 50
1050 4WD_SW_BKLT_GND
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -10
J1-11
J1-2
J1-5
J1-13
J1-12
J1-14
J1-6
4wd Control Module
900_4wd_cntl_3
UPC FNA 004
A/D PD
SRC
5 V
LSD
LSD
LSD
LSD
LSD
ZN#
4WD_SW_SIG
ZN#
NEU_IND_CONT
ZN#
4LO_IND_CONT
ZN#
4_HI_IND_CONT
ZN#
AWD_IND_CONT
ZN#
2HI_IND_CONT
J1-88988778
J2-88988779
J3-15466671

ARE16350
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:42:39 am 4
IEC/ESI

AWD/4WD: Electric 4WD

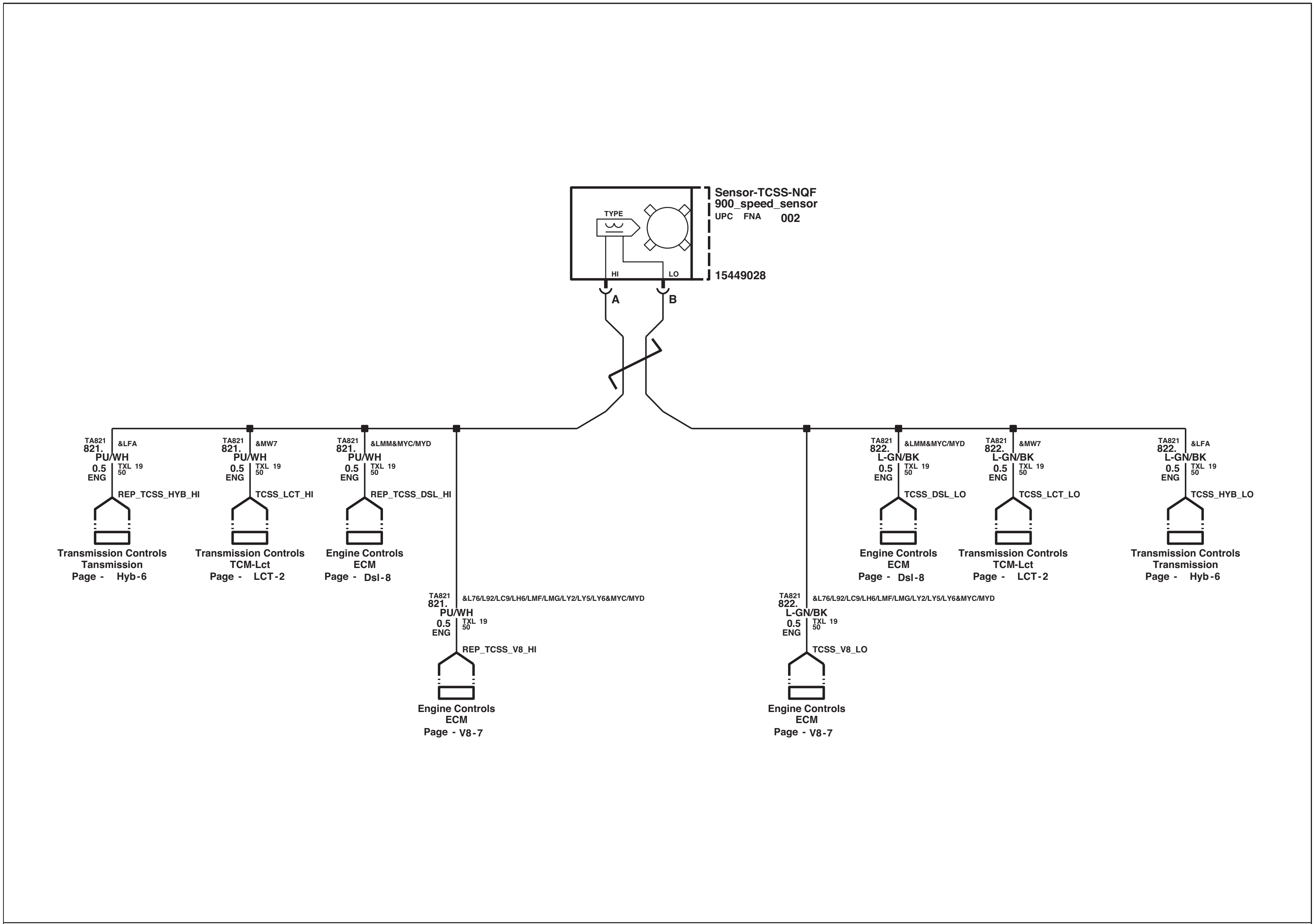
1_08_awd_4wd_elec_mag Panel 3 of 4

Panel Set: 3

&NQF

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Electric 4WD



Sensor-TCSS-NQF
900_speed_sensor
UPC FNA 002
15449028
TYPE
HI
LO
A
B
TA821 821. PU/WH 0.5 ENG TXL 19 50 &LFA
REP_TCSS_HYB_HI
Transmission Controls
Tansmission
Page - Hyb-6
TA821 821. PU/WH 0.5 ENG TXL 19 50 &MW7
TCSS_LCT_HI
Transmission Controls
TCM-Lct
Page - LCT-2
TA821 821. PU/WH 0.5 ENG TXL 19 50 &LMM&MYC/MYD
REP_TCSS_DSL_HI
Engine Controls
ECM
Page - Dsl-8
TA821 821. PU/WH 0.5 ENG TXL 19 50 &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
REP_TCSS_V8_HI
Engine Controls
ECM
Page - V8-7
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
TCSS_V8_LO
Engine Controls
ECM
Page - V8-7
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &LMM&MYC/MYD
TCSS_DSL_LO
Engine Controls
ECM
Page - Dsl-8
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &MW7
TCSS_LCT_LO
Transmission Controls
TCM-Lct
Page - LCT-2
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &LFA
TCSS_HYB_LO
Transmission Controls
Transmission
Page - Hyb-6

ARE16350
003
GMT900
GM Proprietary

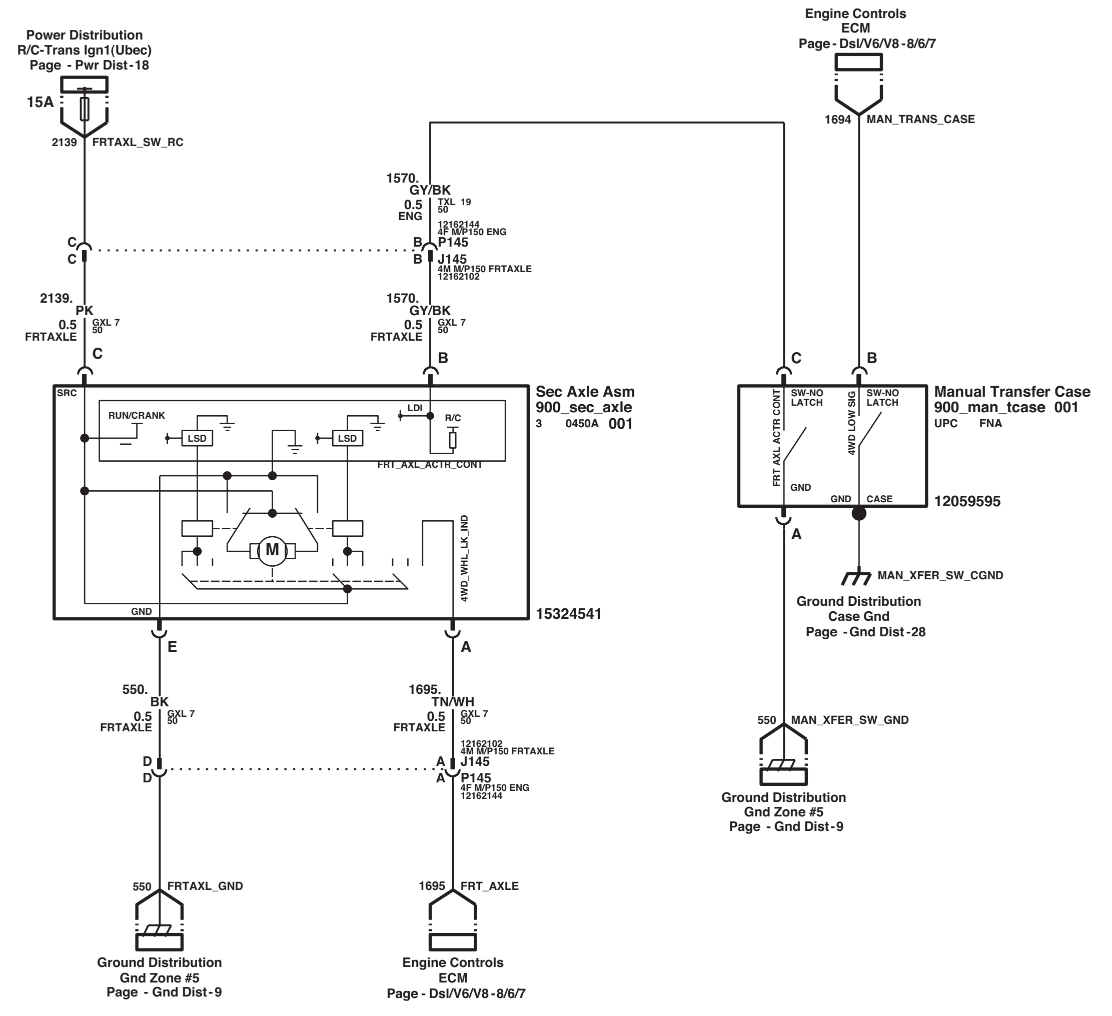
Thursday, September 7, 2006
6:42:39 am 4
IEC/ESI

AWD/4WD: Electric 4WD

1_08_awd_4wd_elec_mag Panel 4 of 4 Panel Set: 4 &NQF

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Manual Shift 4WD


Power Distribution
R/C-Trans Ign1(Ubec)
Page - Pwr Dist-18
15A
2139 FRTAXL_SW_RC
C
C
2139.
PK
0.5 GXL 7 50
FRTAXLE
C
1570.
GY/BK
0.5 TXL 19 50
ENG
12162144
4F M/P150 ENG
B P145
B J145
4M M/P150 FRTAXLE
12162102
1570.
GY/BK
0.5 GXL 7 50
FRTAXLE
B
SRC
RUN/CRANK
LSD
LSD
LDI
R/C
FRT_AXL_ACTR_CONT
M
4WD_WHL_LK_IND
GND
Sec Axle Asm
900_sec_axle
3 0450A 001
15324541
E
A
550.
BK
0.5 GXL 7 50
FRTAXLE
D
D
1695.
TN/WH
0.5 GXL 7 50
FRTAXLE
12162102
4M M/P150 FRTAXLE
A J145
A P145
4F M/P150 ENG
12162144
550 FRTAXL_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist-9
1695 FRT_AXLE
Engine Controls
ECM
Page - Dsl/V6/V8-8/6/7
Engine Controls
ECM
Page - Dsl/V6/V8-8/6/7
1694 MAN_TRANS_CASE
C
B
FRT AXL ACTR CONT
SW-NO
LATCH
4WD LOW SIG
SW-NO
LATCH
GND
GND
CASE
Manual Transfer Case
900_man_tcase 001
UPC FNA
12059595
A
MAN_XFER_SW_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-28
550 MAN_XFER_SW_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist-9

NOTES

• 1 – PICKUP ONLY

ARE16353
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:07:42 am 2
IEC/ESI

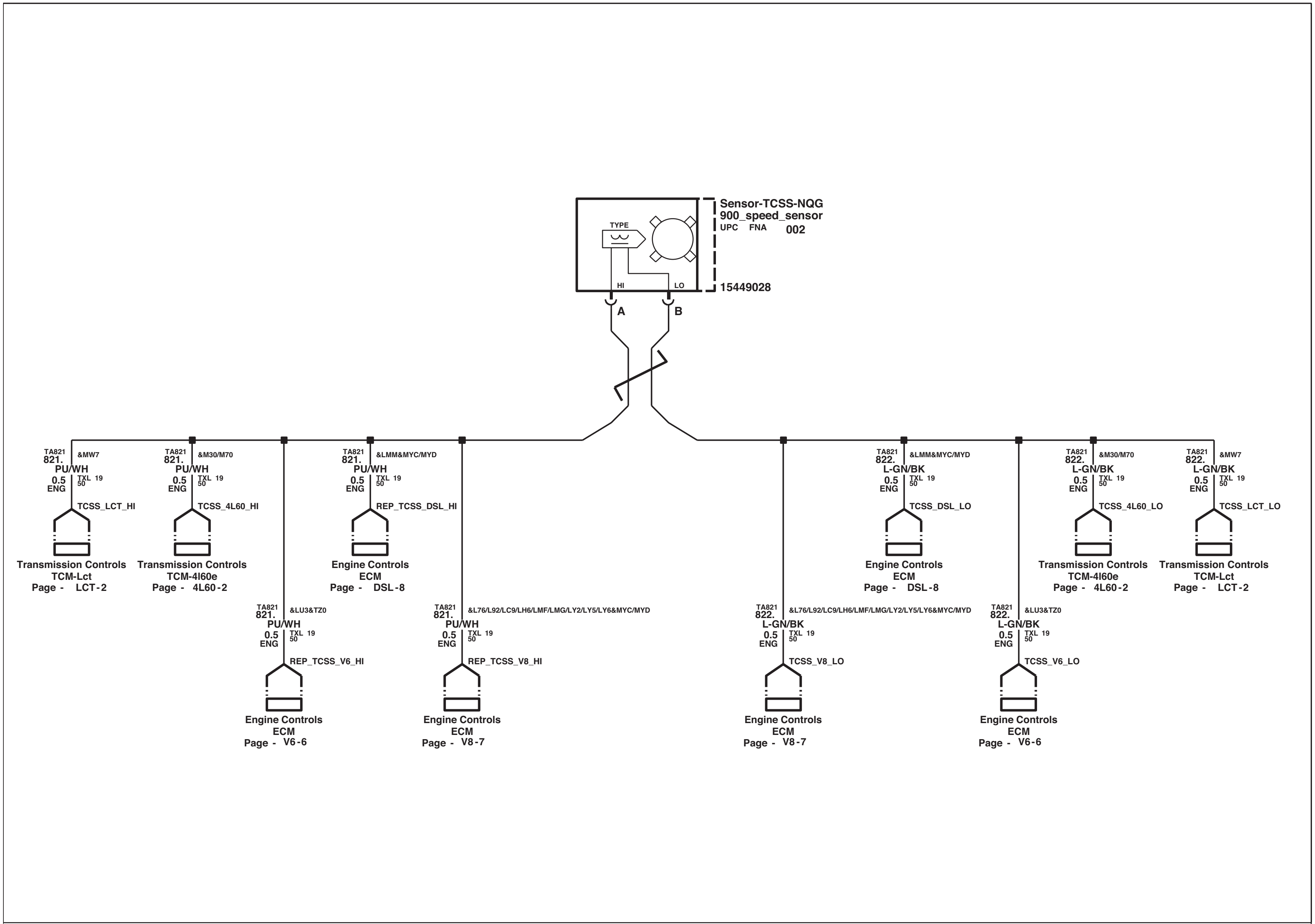
AWD/4WD: Manual Shift 4WD
1_08_awd_4wd_man Panel 1 of 2

Panel Set: 1

&NQG

2008
GMT900
IVER
System Status: Object Status:

AWD/4WD: Manual Shift 4WD


Sensor-TCSS-NQG
900_speed_sensor
UPC FNA 002
TYPE
HI
LO
15449028
A
B
TA821 821. PU/WH 0.5 ENG TXL 19 50 &MW7
TCSS_LCT_HI
Transmission Controls TCM-Lct Page - LCT-2
TA821 821. PU/WH 0.5 ENG TXL 19 50 &M30/M70
TCSS_4L60_HI
Transmission Controls TCM-4l60e Page - 4L60-2
TA821 821. PU/WH 0.5 ENG TXL 19 50 &LMM&MYC/MYD
REP_TCSS_DSL_HI
Engine Controls ECM Page - DSL-8
TA821 821. PU/WH 0.5 ENG TXL 19 50 &LU3&TZ0
REP_TCSS_V6_HI
Engine Controls ECM Page - V6-6
TA821 821. PU/WH 0.5 ENG TXL 19 50 &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
REP_TCSS_V8_HI
Engine Controls ECM Page - V8-7
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6&MYC/MYD
TCSS_V8_LO
Engine Controls ECM Page - V8-7
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &LMM&MYC/MYD
TCSS_DSL_LO
Engine Controls ECM Page - DSL-8
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &LU3&TZ0
TCSS_V6_LO
Engine Controls ECM Page - V6-6
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &M30/M70
TCSS_4L60_LO
Transmission Controls TCM-4l60e Page - 4L60-2
TA821 822. L-GN/BK 0.5 ENG TXL 19 50 &MW7
TCSS_LCT_LO
Transmission Controls TCM-Lct Page - LCT-2

ARE16353
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:07:42 am 2
IEC/ESI

AWD/4WD: Manual Shift 4WD

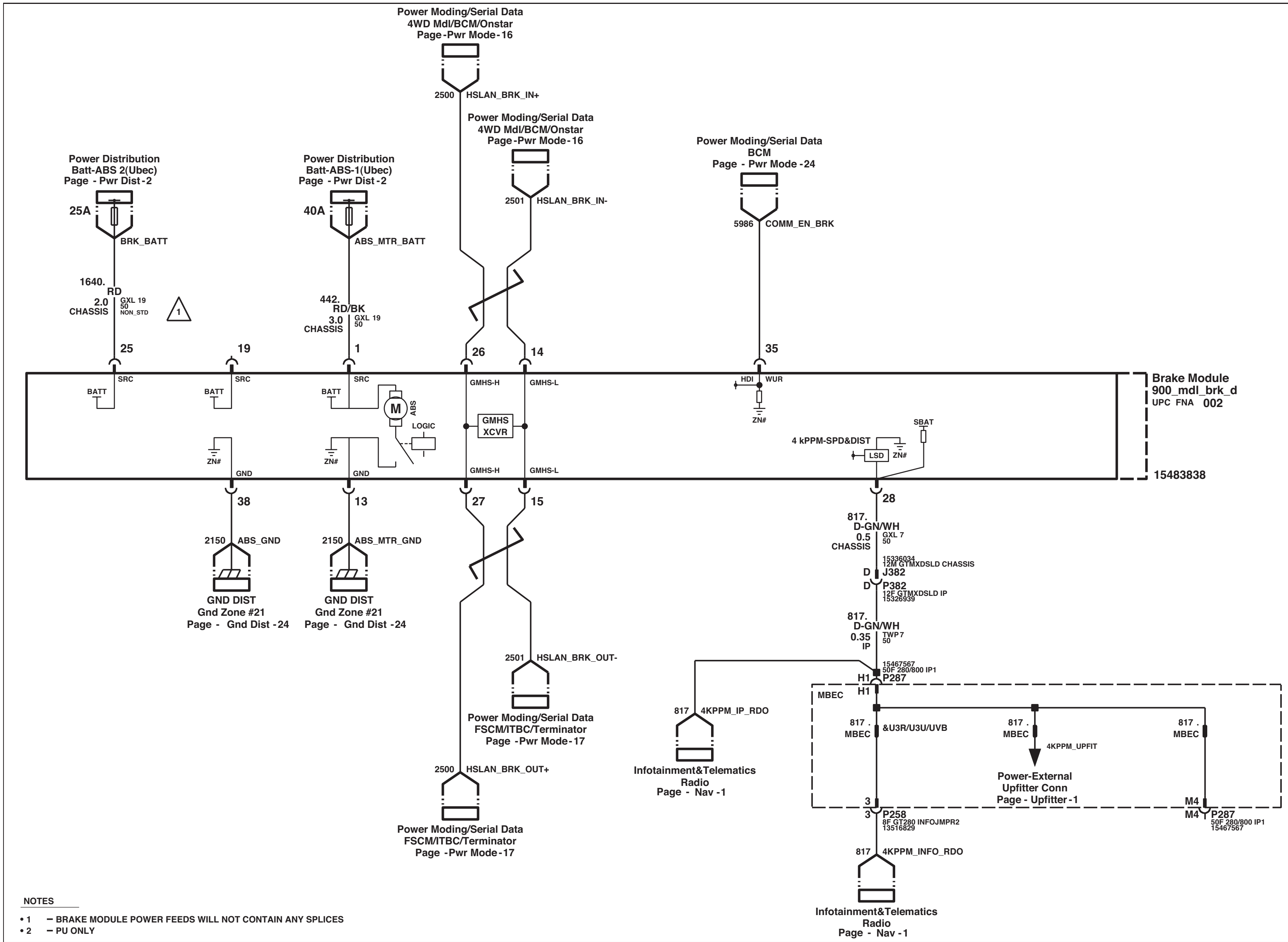
1_08_awd_4wd_man Panel 2 of 2

Panel Set: 2

&NQG

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: ABS


Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page -Pwr Mode-16
2500 HSLAN_BRK_IN+
Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page -Pwr Mode-16
2501 HSLAN_BRK_IN-
Power Moding/Serial Data
BCM
Page - Pwr Mode -24
5986 COMM_EN_BRK
Power Distribution
Batt-ABS 2(Ubec)
Page - Pwr Dist -2
25A
BRK_BATT
1640.
RD
2.0
CHASSIS
GXL 19
50
NON_STD
1
Power Distribution
Batt-ABS-1(Ubec)
Page - Pwr Dist -2
40A
ABS_MTR_BATT
442.
RD/BK
3.0
CHASSIS
GXL 19
50
25
19
1
26
14
35
SRC
BATT
SRC
BATT
SRC
BATT
M
ABS
LOGIC
GMHS-H
GMHS-L
GMHS
XCVR
HDI
WUR
ZN#
SBAT
4 kPPM-SPD&DIST
LSD
ZN#
ZN#
GND
ZN#
GND
GMHS-H
GMHS-L
Brake Module
900_mdl_brk_d
UPC FNA 002
15483838
38
13
27
15
28
2150 ABS_GND
2150 ABS_MTR_GND
GND DIST
Gnd Zone #21
Page - Gnd Dist -24
GND DIST
Gnd Zone #21
Page - Gnd Dist -24
817.
D-GN/WH
0.5
CHASSIS
GXL 7
50
15336034
12M GTMXDSLD CHASSIS
D J382
D P382
12F GTMXDSLD IP
15326939
817.
D-GN/WH
0.35
IP
TWP 7
50
15467567
50F 280/800 IP1
H1 P287
H1
MBEC
2501 HSLAN_BRK_OUT-
Power Moding/Serial Data
FSCM/ITBC/Terminator
Page -Pwr Mode-17
817 4KPPM_IP_RDO
Infotainment&Telematics
Radio
Page - Nav -1
817 .
MBEC
&U3R/U3U/UVB
817 .
MBEC
4KPPM_UPFIT
Power-External
Upfitter Conn
Page - Upfitter -1
817 .
MBEC
2500 HSLAN_BRK_OUT+
Power Moding/Serial Data
FSCM/ITBC/Terminator
Page -Pwr Mode-17
3
3 P258
8F GT280 INFOJMPR2
13516829
M4
M4 P287
50F 280/800 IP1
15467567
817 4KPPM_INFO_RDO
Infotainment&Telematics
Radio
Page - Nav -1

NOTES

- • 1 – BRAKE MODULE POWER FEEDS WILL NOT CONTAIN ANY SPLICES
- • 2 – PU ONLY

ARE16356
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:08:12 am 2
IEC/ESI

Brakes/Veh. Speed: ABS

1_08_brk_abs Panel 1 of 2

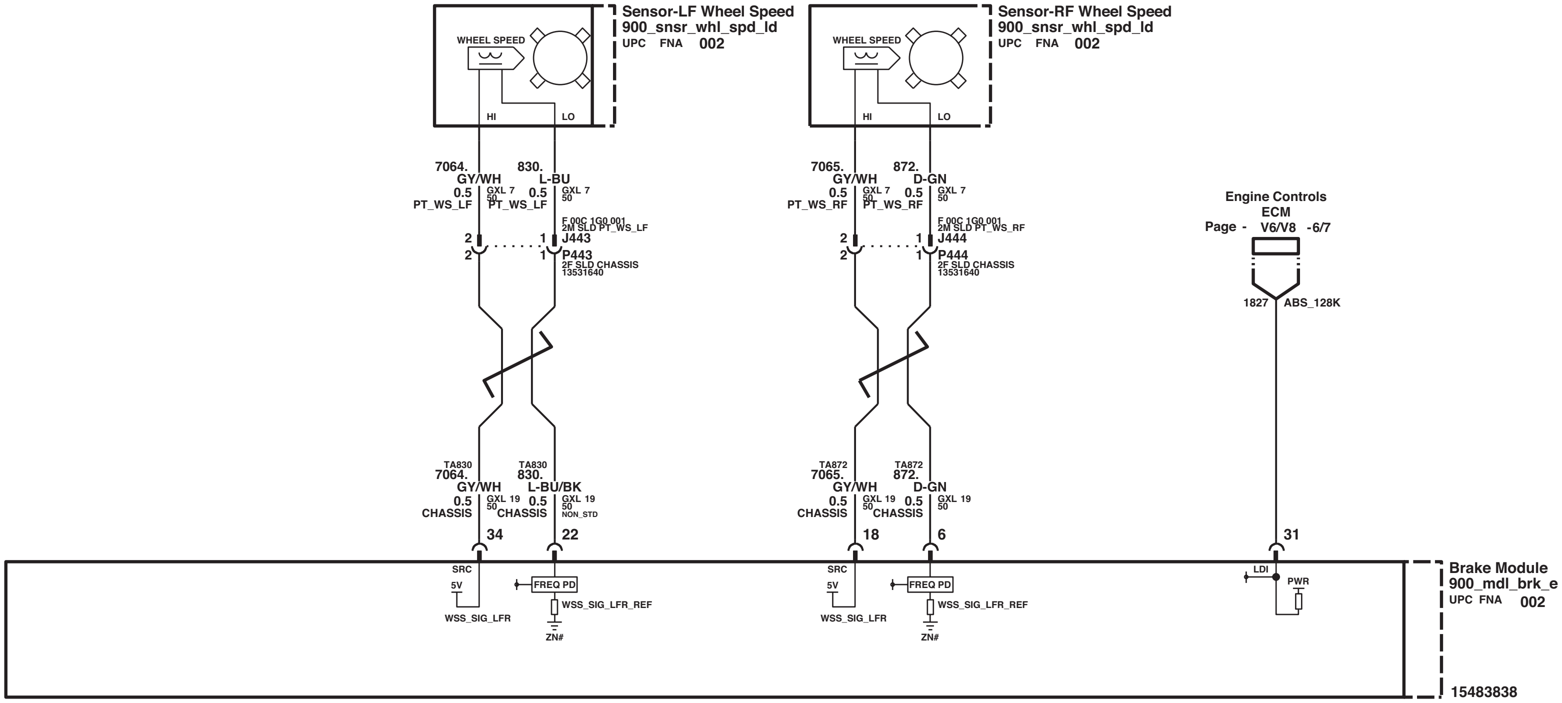
Panel Set: 1

&JF3/JF7-Z55

2008
GMT900
IVER

System Status: Object Status:

Brakes/Vehicle Speed: ABS


Sensor-LF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 002
WHEEL SPEED
HI
LO
7064.
GY/WH
0.5
GXL 7
50
PT_WS_LF
830.
L-BU
0.5
GXL 7
50
PT_WS_LF
F 00C 1G0 001
2M SLD PT_WS_LF
2
1
J443
2
1
P443
2F SLD CHASSIS
13531640
Sensor-RF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 002
WHEEL SPEED
HI
LO
7065.
GY/WH
0.5
GXL 7
50
PT_WS_RF
872.
D-GN
0.5
GXL 7
50
PT_WS_RF
F 00C 1G0 001
2M SLD PT_WS_RF
2
1
J444
2
1
P444
2F SLD CHASSIS
13531640
Engine Controls
ECM
Page - V6/V8 -6/7
1827
ABS_128K
TA830
7064.
GY/WH
0.5
GXL 19
50
CHASSIS
TA830
830.
L-BU/BK
0.5
GXL 19
50
NON_STD
CHASSIS
TA872
7065.
GY/WH
0.5
GXL 19
50
CHASSIS
TA872
872.
D-GN
0.5
GXL 19
50
CHASSIS
34
22
18
6
31
SRC
5V
WSS_SIG_LFR
FREQ PD
WSS_SIG_LFR_REF
ZN#
SRC
5V
WSS_SIG_LFR
FREQ PD
WSS_SIG_LFR_REF
ZN#
LDI
PWR
Brake Module
900_mdl_brk_e
UPC FNA 002
15483838

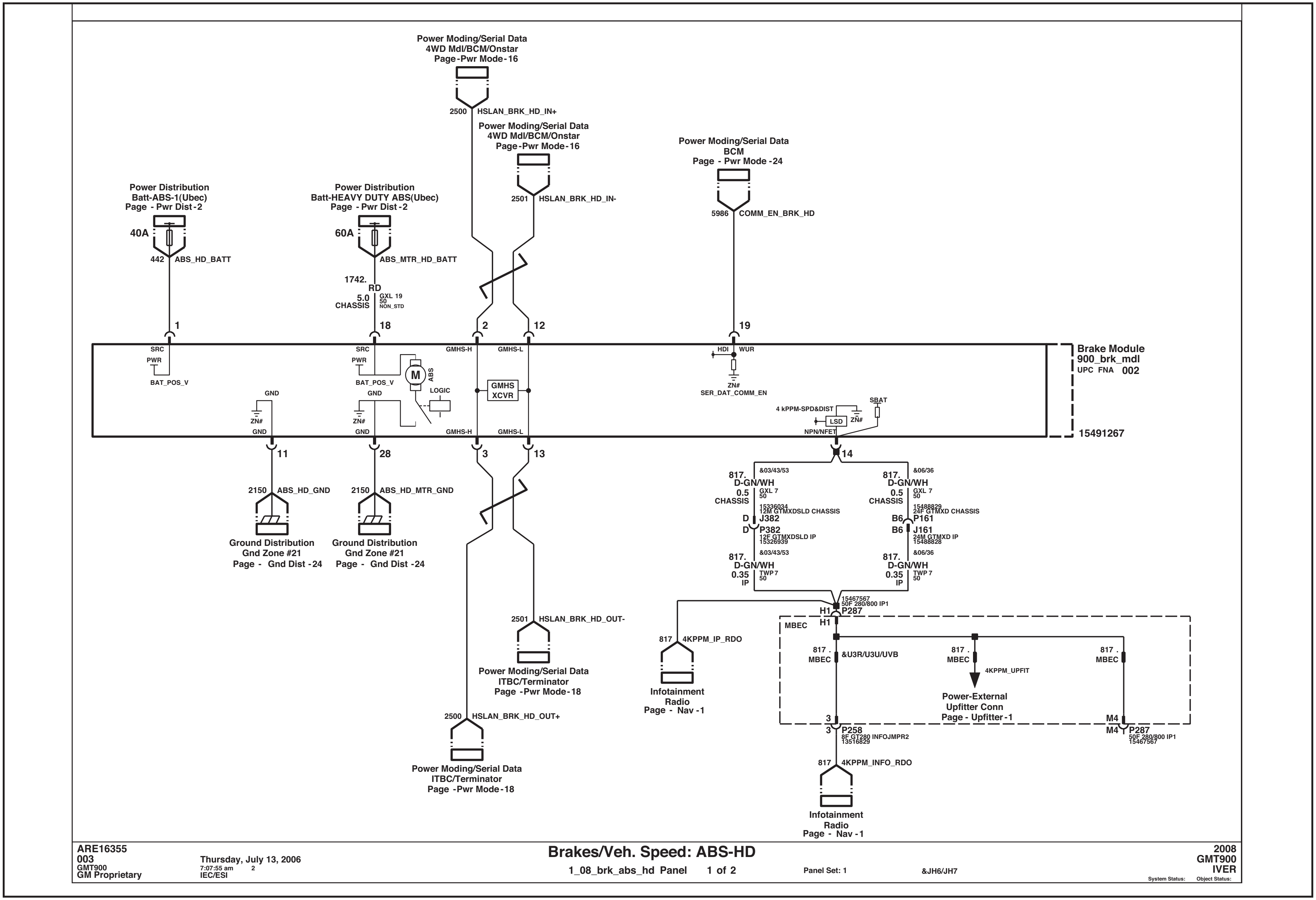
ARE16356
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:08:12 am 2
IEC/ESI

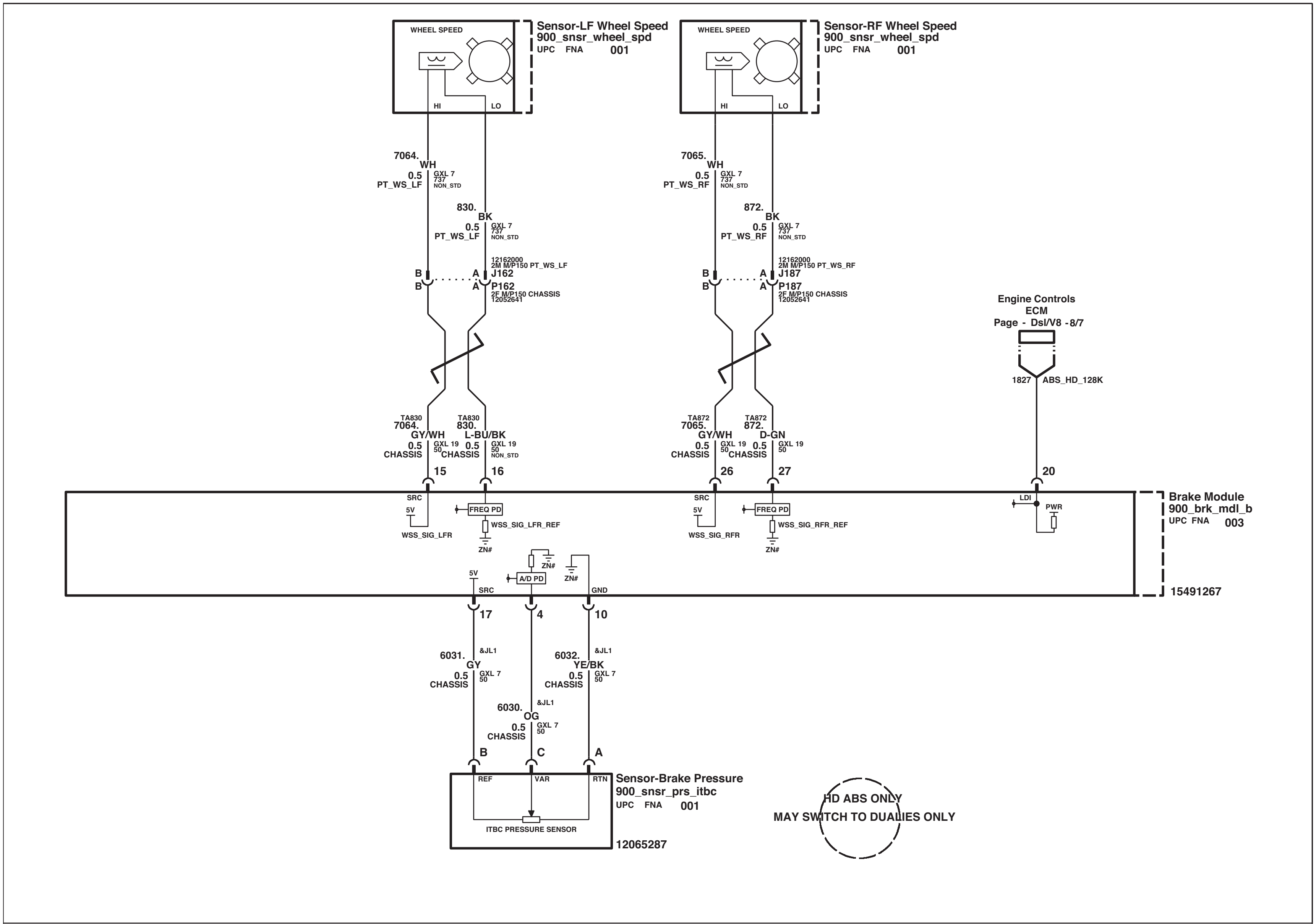
Brakes/Veh. Speed: ABS
1_08_brk_abs Panel 2 of 2 Panel Set: 2 &JF3/JF7-Z55

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: ABS-HD


Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page-Pwr Mode-16
2500 HSLAN_BRK_HD_IN+
Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page-Pwr Mode-16
2501 HSLAN_BRK_HD_IN-
Power Moding/Serial Data
BCM
Page - Pwr Mode -24
5986 COMM_EN_BRK_HD
Power Distribution
Batt-ABS-1(Ubec)
Page - Pwr Dist-2
40A
442 ABS_HD_BATT
Power Distribution
Batt-HEAVY DUTY ABS(Ubec)
Page - Pwr Dist-2
60A
ABS_MTR_HD_BATT
1742.
RD
5.0
CHASSIS
GXL 19
50
NON_STD
1
18
2
12
19
SRC
PWR
BAT_POS_V
SRC
PWR
BAT_POS_V
M
ABS
LOGIC
GND
ZN#
GND
GND
ZN#
GND
GMHS-H
GMHS-L
GMHS
XCVR
GMHS-H
GMHS-L
HDI
WUR
ZN#
SER_DAT_COMM_EN
SBAT
4 kPPM-SPD&DIST
LSD
ZN#
NPN/NFET
Brake Module
900_brk_mdl
UPC FNA 002
15491267
11
28
3
13
14
2150 ABS_HD_GND
2150 ABS_HD_MTR_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist -24
Ground Distribution
Gnd Zone #21
Page - Gnd Dist -24
&03/43/53
817.
D-GN/WH
0.5
CHASSIS
GXL 7
50
15336034
12M GTMXDSLD CHASSIS
D J382
D P382
12F GTMXDSLD IP
15326939
&03/43/53
817.
D-GN/WH
0.35
IP
TWP 7
50
&06/36
817.
D-GN/WH
0.5
CHASSIS
GXL 7
50
15488829
24F GTMXD CHASSIS
B6 P161
B6 J161
24M GTMXD IP
15488828
&06/36
817.
D-GN/WH
0.35
IP
TWP 7
50
15467567
50F 280/800 IP1
H1 P287
H1
MBEC
2501 HSLAN_BRK_HD_OUT-
Power Moding/Serial Data
ITBC/Terminator
Page -Pwr Mode-18
2500 HSLAN_BRK_HD_OUT+
Power Moding/Serial Data
ITBC/Terminator
Page -Pwr Mode-18
817 4KPPM_IP_RDO
Infotainment
Radio
Page - Nav -1
817 .
MBEC
&U3R/U3U/UVB
817 .
MBEC
4KPPM_UPFIT
Power-External
Upfitter Conn
Page - Upfitter-1
817 .
MBEC
3
3 P258
8F GT280 INFOJMPR2
13516829
M4
M4 P287
50F 280/800 IP1
15467567
817 4KPPM_INFO_RDO
Infotainment
Radio
Page - Nav - 1
ARE16355
003
GMT900
GM Proprietary
Thursday, July 13, 2006
7:07:55 am 2
IEC/ESI
Brakes/Veh. Speed: ABS-HD
1_08_brk_abs_hd Panel 1 of 2
Panel Set: 1
&JH6/JH7
2008
GMT900
IVER
System Status:
Object Status:

Brakes/Vehicle Speed: ABS-HD


WHEEL SPEED
Sensor-LF Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
HI
LO
WHEEL SPEED
Sensor-RF Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
HI
LO
7064.
WH
0.5
PT_WS_LF
GXL 7
737
NON_STD
830.
BK
0.5
PT_WS_LF
GXL 7
737
NON_STD
12162000
2M M/P150 PT_WS_LF
J162
P162
2F M/P150 CHASSIS
12052641
B
A
B
A
7065.
WH
0.5
PT_WS_RF
GXL 7
737
NON_STD
872.
BK
0.5
PT_WS_RF
GXL 7
737
NON_STD
12162000
2M M/P150 PT_WS_RF
J187
P187
2F M/P150 CHASSIS
12052641
B
A
B
A
Engine Controls
ECM
Page - Dsl/V8 -8/7
1827
ABS_HD_128K
TA830
7064.
GY/WH
0.5
CHASSIS
GXL 19
50
TA830
830.
L-BU/BK
0.5
CHASSIS
GXL 19
50
NON_STD
TA872
7065.
GY/WH
0.5
CHASSIS
GXL 19
50
TA872
872.
D-GN
0.5
CHASSIS
GXL 19
50
15
16
26
27
20
SRC
5V
WSS_SIG_LFR
FREQ PD
WSS_SIG_LFR_REF
ZN#
SRC
5V
WSS_SIG_RFR
FREQ PD
WSS_SIG_RFR_REF
ZN#
LDI
PWR
Brake Module
900_brk_mdl_b
UPC FNA 003
15491267
ZN#
5V
A/D PD
ZN#
SRC
GND
17
4
10
6031.
&JL1
GY
0.5
CHASSIS
GXL 7
50
6032.
&JL1
YE/BK
0.5
CHASSIS
GXL 7
50
6030.
&JL1
OG
0.5
CHASSIS
GXL 7
50
B
C
A
REF
VAR
RTN
ITBC PRESSURE SENSOR
Sensor-Brake Pressure
900_snsr_prs_itbc
UPC FNA 001
12065287
HD ABS ONLY
MAY SWITCH TO DUALIES ONLY

ARE16355
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:07:55 am 2
IEC/ESI

Brakes/Veh. Speed: ABS-HD

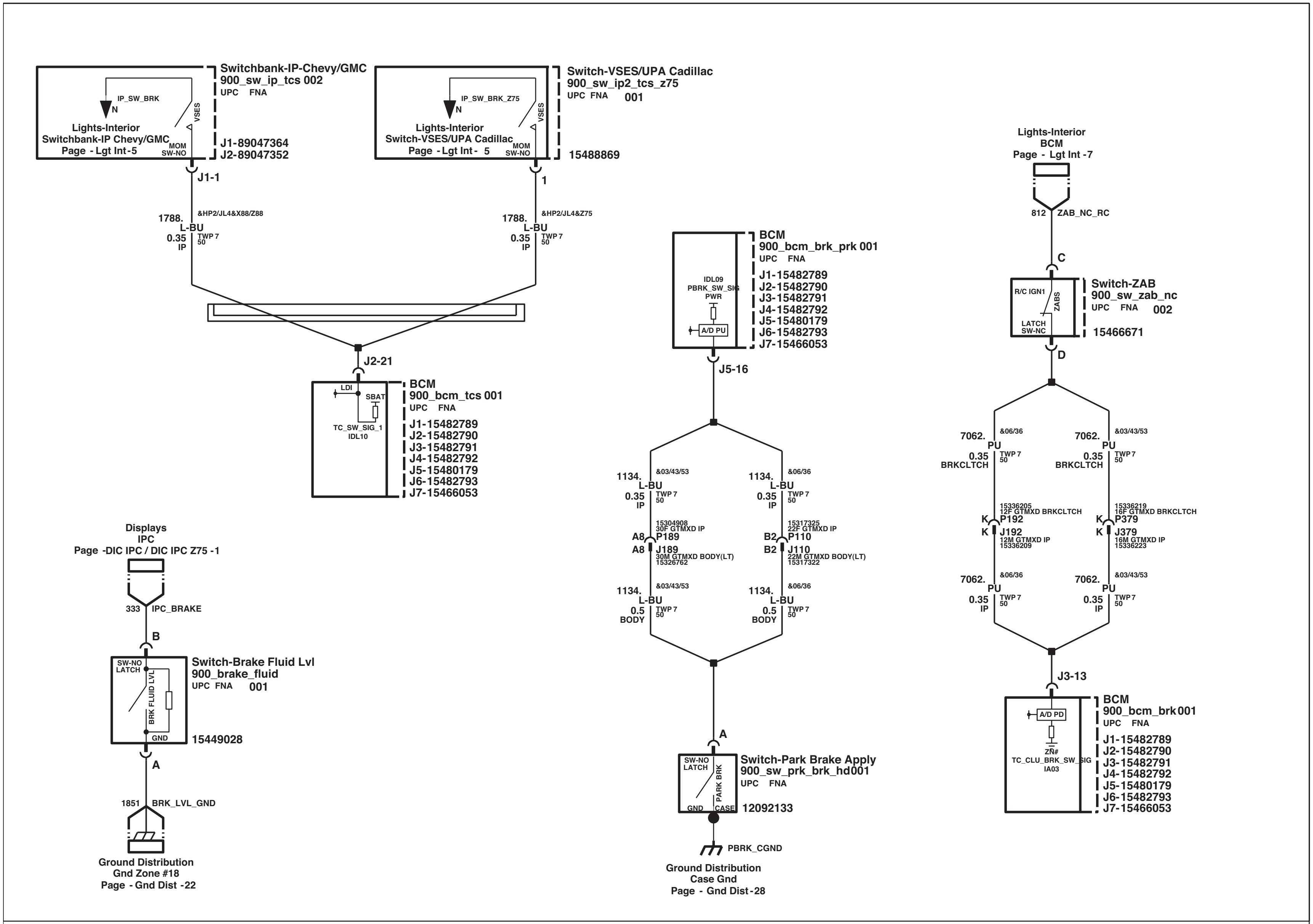
1_08_brk_abs_hd Panel 2 of 2

Panel Set: 2

&JH6/JH7

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Base – Foundation


Switchbank-IP-Chevy/GMC
900_sw_ip_tcs 002
UPC FNA
J1-89047364
J2-89047352
IP_SW_BRK
N
VSES
Lights-Interior
Switchbank-IP Chevy/GMC
Page - Lgt Int-5
MOM
SW-NO
J1-1
1788.
L-BU
0.35
IP
&HP2/JL4&X88/Z88
TWP 7
50
Switch-VSES/UPA Cadillac
900_sw_ip2_tcs_z75
UPC FNA 001
15488869
IP_SW_BRK_Z75
N
VSES
Lights-Interior
Switch-VSES/UPA Cadillac
Page - Lgt Int - 5
MOM
SW-NO
1
1788.
L-BU
0.35
IP
&HP2/JL4&Z75
TWP 7
50
J2-21
LDI
SBAT
TC_SW_SIG_1
IDL10
BCM
900_bcm_tcs 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
BCM
900_bcm_brk_prk 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL09
PBRK_SW_SIG
PWR
A/D PU
J5-16
1134.
L-BU
0.35
IP
&03/43/53
TWP 7
50
15304908
30F GTMXD IP
A8
P189
A8
J189
30M GTMXD BODY(LT)
15326762
1134.
L-BU
0.5
BODY
&03/43/53
TWP 7
50
1134.
L-BU
0.35
IP
&06/36
TWP 7
50
15317325
22F GTMXD IP
B2
P110
B2
J110
22M GTMXD BODY(LT)
15317322
1134.
L-BU
0.5
BODY
&06/36
TWP 7
50
A
SW-NO
LATCH
PARK BRK
GND
CASE
Switch-Park Brake Apply
900_sw_prk_brk_hd001
UPC FNA
12092133
PBRK_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist -28
Lights-Interior
BCM
Page - Lgt Int -7
812
ZAB_NC_RC
C
R/C IGN1
ZABS
LATCH
SW-NC
Switch-ZAB
900_sw_zab_nc
UPC FNA 002
15466671
D
7062.
PU
0.35
BRKCLTCH
&06/36
TWP 7
50
15336205
12F GTMXD BRKCLTCH
K
P192
K
J192
12M GTMXD IP
15336209
7062.
PU
0.35
IP
&06/36
TWP 7
50
7062.
PU
0.35
BRKCLTCH
&03/43/53
TWP 7
50
15336219
16F GTMXD BRKCLTCH
K
P379
K
J379
16M GTMXD IP
15336223
7062.
PU
0.35
IP
&03/43/53
TWP 7
50
J3-13
A/D PD
ZN#
TC_CLU_BRK_SW_SIG
IA03
BCM
900_bcm_brk001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
Displays
IPC
Page -DIC IPC / DIC IPC Z75 -1
333
IPC_BRAKE
B
SW-NO
LATCH
BRK FLUID LVL
GND
Switch-Brake Fluid Lvl
900_brake_fluid
UPC FNA 001
15449028
A
1851
BRK_LVL_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist -22

ARE16357
003
GMT900
GM Proprietary

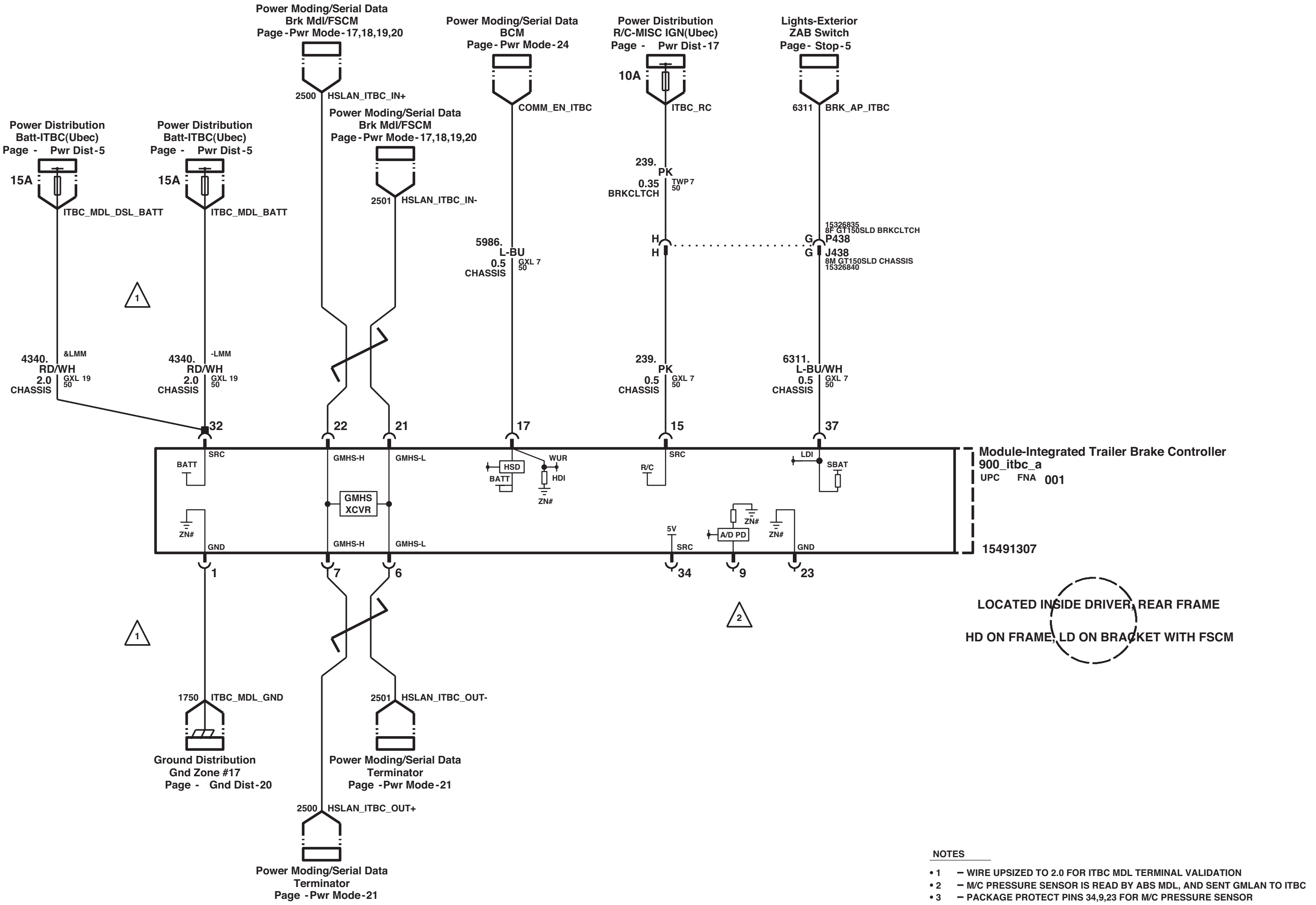
Thursday, July 13, 2006
7:08:25 am 2
IEC/ESI

Brakes/Veh. Speed: Base - Foundation

1_08_brk_base Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 20/30


Power Moding/Serial Data
Brk Mdl/FSCM
Page - Pwr Mode - 17,18,19,20
2500 HSLAN_ITBC_IN+
Power Moding/Serial Data
BCM
Page - Pwr Mode - 24
COMM_EN_ITBC
Power Distribution
R/C-MISC IGN(Ubec)
Page - Pwr Dist - 17
10A
ITBC_RC
Lights-Exterior
ZAB Switch
Page - Stop - 5
6311 BRK_AP_ITBC
Power Distribution
Batt-ITBC(Ubec)
Page - Pwr Dist - 5
15A
ITBC_MDL_DSL_BATT
Power Distribution
Batt-ITBC(Ubec)
Page - Pwr Dist - 5
15A
ITBC_MDL_BATT
Power Moding/Serial Data
Brk Mdl/FSCM
Page - Pwr Mode - 17,18,19,20
2501 HSLAN_ITBC_IN-
239.
PK
0.35 TWP 7 50
BRKCLTCH
15326835
8F GT150SLD BRKCLTCH
H G P438
H G J438
8M GT150SLD CHASSIS
15326840
5986.
L-BU
0.5 GXL 7 50
CHASSIS
1
4340. &LMM
RD/WH
2.0 GXL 19 50
CHASSIS
4340. -LMM
RD/WH
2.0 GXL 19 50
CHASSIS
239.
PK
0.5 GXL 7 50
CHASSIS
6311.
L-BU/WH
0.5 GXL 7 50
CHASSIS
32
22
21
17
15
37
SRC
BATT
GMHS-H
GMHS-L
HSD
BATT
WUR
HDI
ZN#
R/C
SRC
LDI
SBAT
GMHS XCVR
ZN#
GND
GMHS-H
GMHS-L
5V
SRC
A/D PD
ZN#
ZN#
GND
1
7
6
34
9
23
Module-Integrated Trailer Brake Controller
900_itbc_a
UPC FNA 001
15491307
LOCATED INSIDE DRIVER, REAR FRAME
HD ON FRAME, LD ON BRACKET WITH FSCM
2
1
1750 ITBC_MDL_GND
Ground Distribution
Gnd Zone #17
Page - Gnd Dist - 20
2501 HSLAN_ITBC_OUT-
Power Moding/Serial Data
Terminator
Page - Pwr Mode - 21
2500 HSLAN_ITBC_OUT+
Power Moding/Serial Data
Terminator
Page - Pwr Mode - 21

NOTES

- 1 – WIRE UPSIZED TO 2.0 FOR ITBC MDL TERMINAL VALIDATION
- 2 – M/C PRESSURE SENSOR IS READ BY ABS MDL, AND SENT GMLAN TO ITBC
- 3 – PACKAGE PROTECT PINS 34,9,23 FOR M/C PRESSURE SENSOR
- 4 – ITBC MDL, SSR, AND TRAILER MUST GO TO A COMMON GROUND

ARE74001
003
GMT900
GM Proprietary

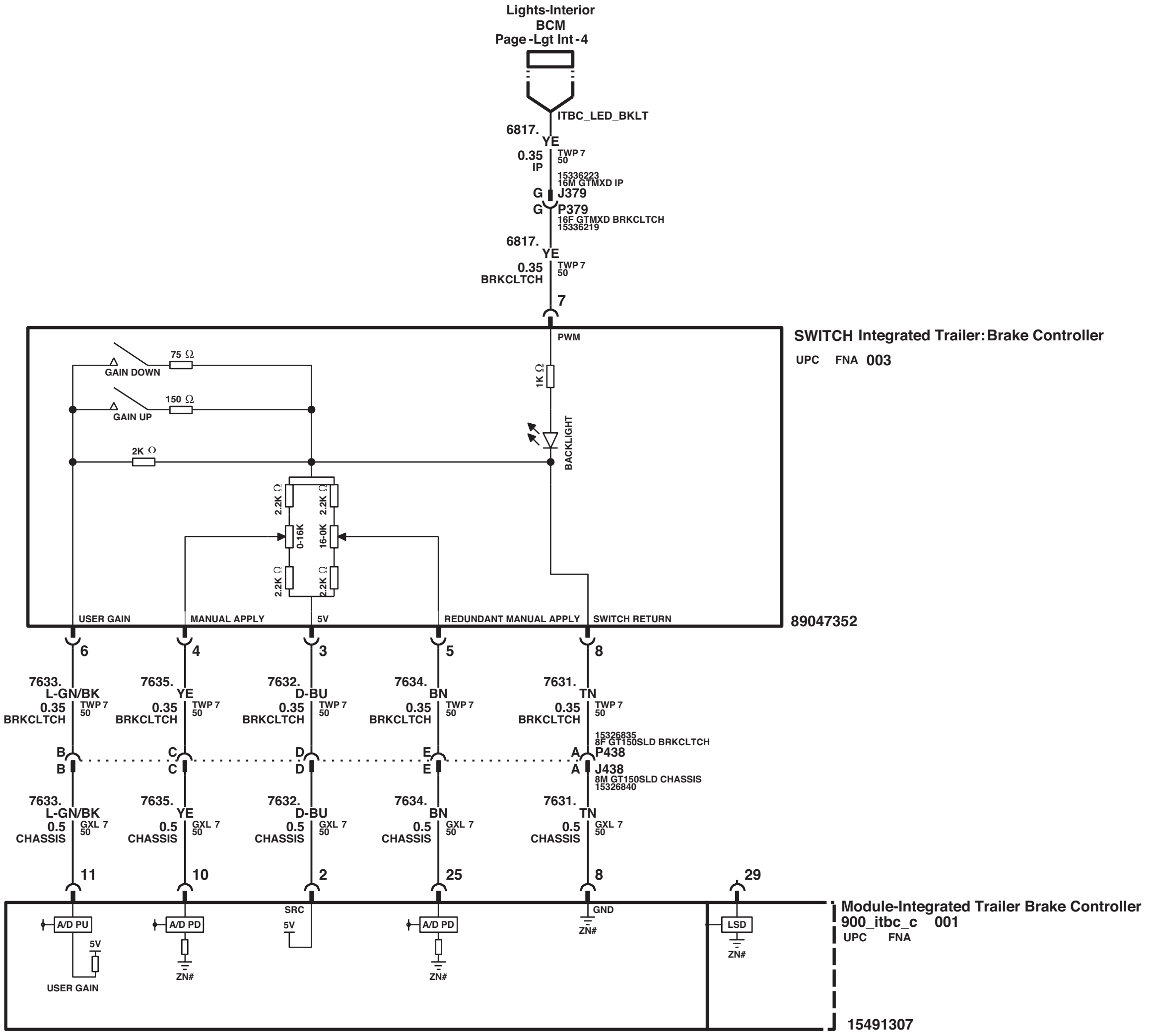
Tuesday, October 31, 2006
7:07:57 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 20/30

1_08_brk_itbc Panel 1 of 3 Panel Set: 1 &JL1&SERIES20/SERIES30

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 20/30


Lights-Interior
BCM
Page -Lgt Int -4
ITBC_LED_BKLT
6817.
YE
0.35
IP
TWP 7
50
15336223
16M GTMXD IP
G
J379
G
P379
16F GTMXD BRKCLTCH
15336219
6817.
YE
0.35
BRKCLTCH
TWP 7
50
7
PWM
SWITCH Integrated Trailer: Brake Controller
UPC FNA 003
75 Ω
GAIN DOWN
150 Ω
GAIN UP
1K Ω
BACKLIGHT
2K Ω
2.2K Ω
2.2K Ω
0-16K
16-0K
2.2K Ω
2.2K Ω
USER GAIN
MANUAL APPLY
5V
REDUNDANT MANUAL APPLY
SWITCH RETURN
89047352
6
4
3
5
8
7633.
L-GN/BK
0.35
BRKCLTCH
TWP 7
50
7635.
YE
0.35
BRKCLTCH
TWP 7
50
7632.
D-BU
0.35
BRKCLTCH
TWP 7
50
7634.
BN
0.35
BRKCLTCH
TWP 7
50
7631.
TN
0.35
BRKCLTCH
TWP 7
50
15326835
8F GT150SLD BRKCLTCH
B
B
C
C
D
D
E
E
A
P438
A
J438
8M GT150SLD CHASSIS
15326840
7633.
L-GN/BK
0.5
CHASSIS
GXL 7
50
7635.
YE
0.5
CHASSIS
GXL 7
50
7632.
D-BU
0.5
CHASSIS
GXL 7
50
7634.
BN
0.5
CHASSIS
GXL 7
50
7631.
TN
0.5
CHASSIS
GXL 7
50
11
10
2
25
8
29
A/D PU
5V
USER GAIN
A/D PD
ZN#
SRC
5V
A/D PD
ZN#
GND
ZN#
LSD
ZN#
Module-Integrated Trailer Brake Controller
900_itbc_c 001
UPC FNA
15491307

ARE74001
003
GMT900
GM Proprietary

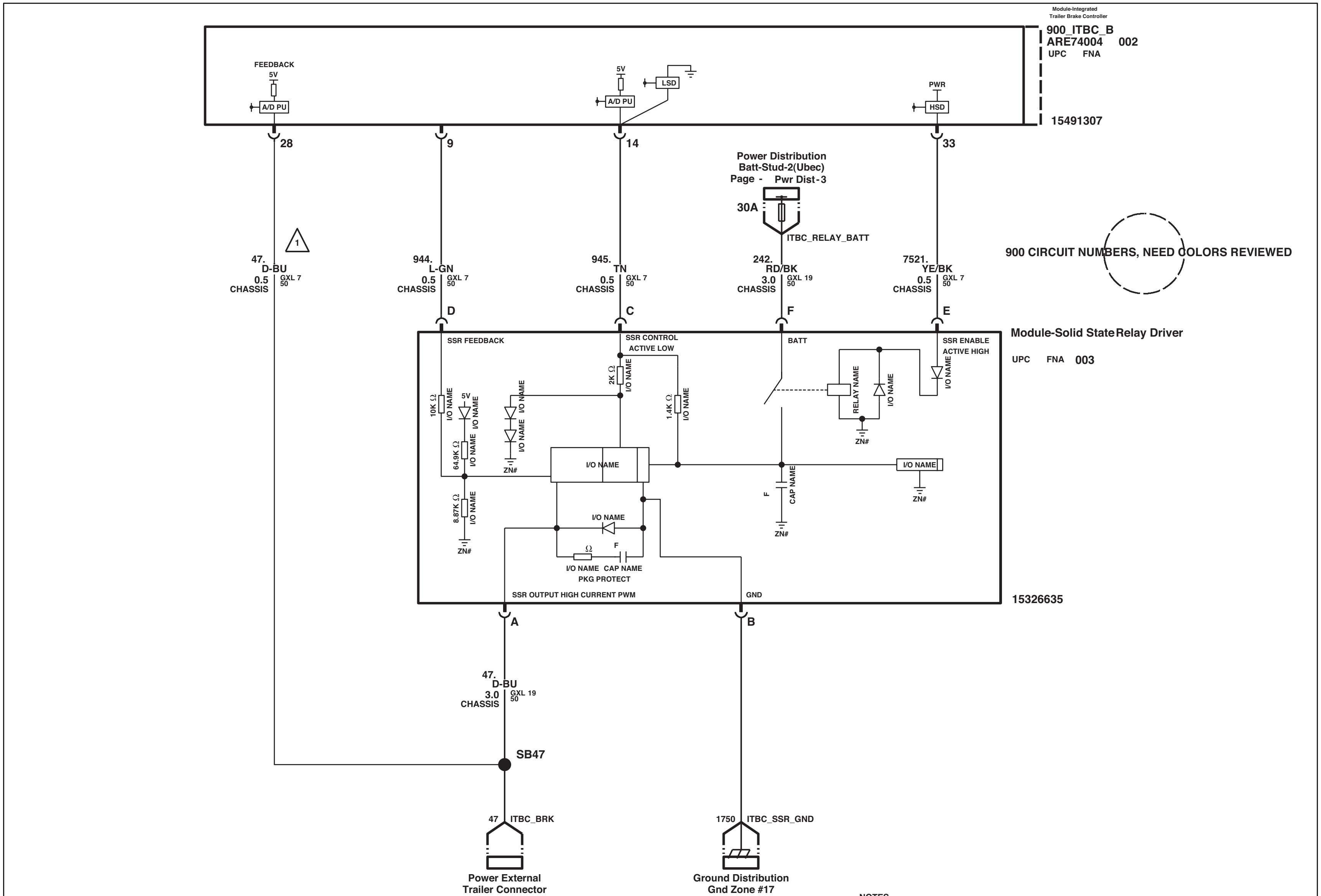
Tuesday, October 31, 2006
7:07:57 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 20/30

1_08_brk_itbc Panel 2 of 3 Panel Set: 2 &JL1&SERIES20/SERIES30

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 20/30


Module-Integrated Trailer Brake Controller
900_ITBC_B
ARE74004 002
UPC FNA
15491307
FEEDBACK
5V
A/D PU
5V
LSD
A/D PU
PWR
HSD
28
9
14
33
Power Distribution
Batt-Stud-2(Ubec)
Page - Pwr Dist-3
30A
ITBC_RELAY_BATT
1
47.
D-BU
0.5
CHASSIS
GXL 7
50
944.
L-GN
0.5
CHASSIS
GXL 7
50
945.
TN
0.5
CHASSIS
GXL 7
50
242.
RD/BK
3.0
CHASSIS
GXL 19
50
7521.
YE/BK
0.5
CHASSIS
GXL 7
50
900 CIRCUIT NUMBERS, NEED COLORS REVIEWED
D
C
F
E
Module-Solid State Relay Driver
UPC FNA 003
SSR FEEDBACK
SSR CONTROL
ACTIVE LOW
BATT
SSR ENABLE
ACTIVE HIGH
10K Ω
I/O NAME
5V
I/O NAME
I/O NAME
2K Ω
I/O NAME
1.4K Ω
I/O NAME
RELAY NAME
I/O NAME
I/O NAME
64.9K Ω
I/O NAME
I/O NAME
ZN#
ZN#
I/O NAME
I/O NAME
F
CAP NAME
ZN#
ZN#
8.87K Ω
I/O NAME
ZN#
I/O NAME
Ω
F
I/O NAME CAP NAME
PKG PROTECT
SSR OUTPUT HIGH CURRENT PWM
GND
15326635
A
B
47.
D-BU
3.0
CHASSIS
GXL 19
50
SB47
47 ITBC_BRK
1750 ITBC_SSR_GND
Power External
Trailer Connector
Page - Cmpr/Trlr-2
Ground Distribution
Gnd Zone #17
Page - Gnd Dist-20

NOTES

- 1 – CIRCUIT 47 FEEDBACK IS 0.5 IF LESS THAN 300MM. OTHERWISE REQUIRES 1 TO 1 SPLICE INTO 3.0

ARE74001
003
GMT900
GM Proprietary

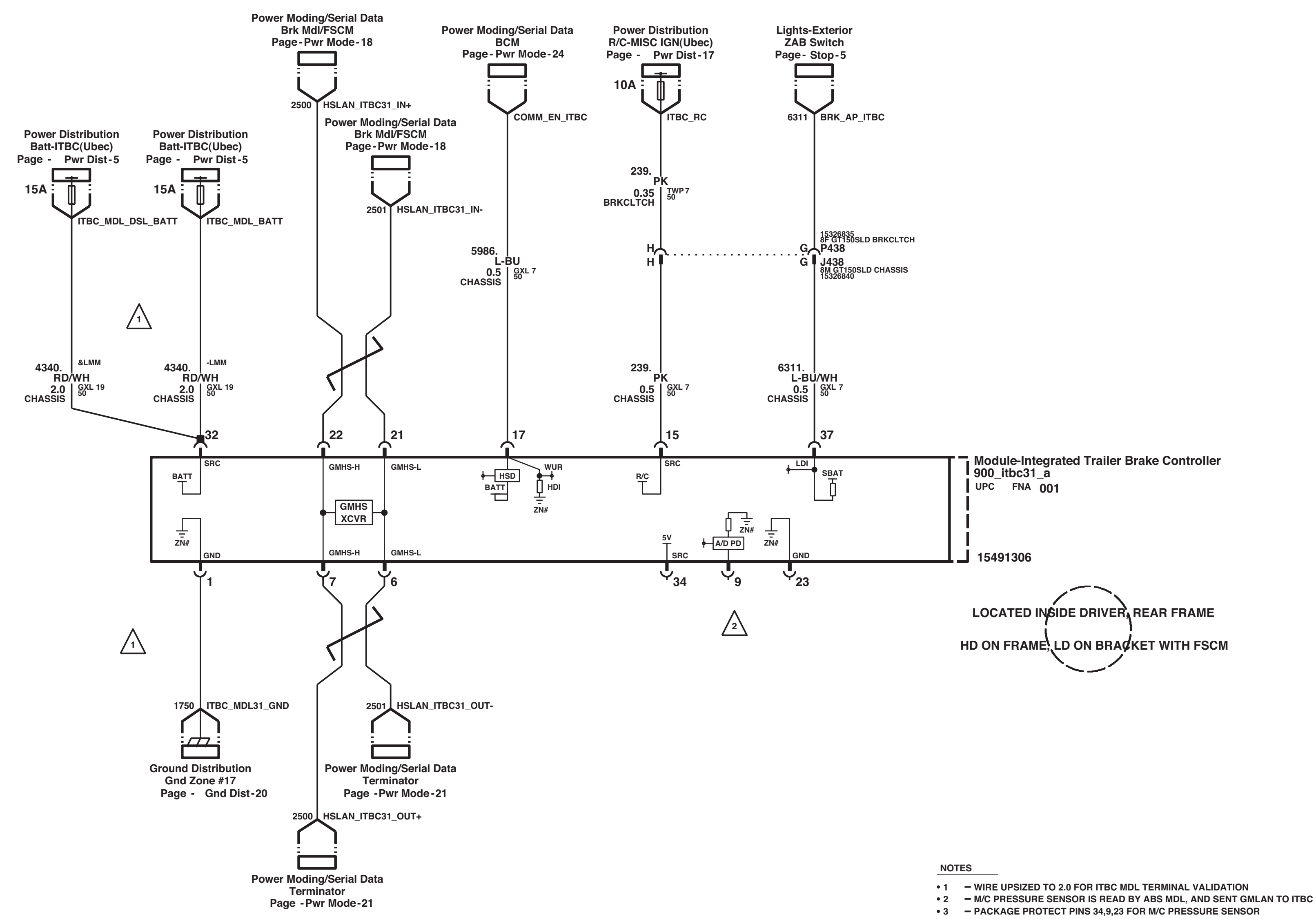
Tuesday, October 31, 2006
7:07:57 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 20/30

1_08_brk_itbc Panel 3 of 3 Panel Set: 3 &JL1&SERIES20/SERIES30

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 10/31


Power Moding/Serial Data
Brk Mdl/FSCM
Page - Pwr Mode - 18
2500 HSLAN_ITBC31_IN+
Power Moding/Serial Data
BCM
Page - Pwr Mode - 24
COMM_EN_ITBC
Power Distribution
R/C-MISC IGN(Ubec)
Page - Pwr Dist - 17
10A
ITBC_RC
Lights-Exterior
ZAB Switch
Page - Stop - 5
6311 BRK_AP_ITBC
Power Distribution
Batt-ITBC(Ubec)
Page - Pwr Dist - 5
15A
ITBC_MDL_DSL_BATT
Power Distribution
Batt-ITBC(Ubec)
Page - Pwr Dist - 5
15A
ITBC_MDL_BATT
Power Moding/Serial Data
Brk Mdl/FSCM
Page - Pwr Mode - 18
2501 HSLAN_ITBC31_IN-
239.
PK
0.35
BRKCLTCH
TWP 7
50
15326835
8F GT150SLD BRKCLTCH
H
G
P438
H
G
J438
8M GT150SLD CHASSIS
15326840
5986.
L-BU
0.5
CHASSIS
GXL 7
50
1
4340.
&LMM
RD/WH
2.0
CHASSIS
GXL 19
50
4340.
-LMM
RD/WH
2.0
CHASSIS
GXL 19
50
239.
PK
0.5
CHASSIS
GXL 7
50
6311.
L-BU/WH
0.5
CHASSIS
GXL 7
50
32
22
21
17
15
37
SRC
BATT
GMHS-H
GMHS-L
HSD
BATT
WUR
HDI
ZN#
R/C
SRC
LDI
SBAT
GMHS
XCVR
ZN#
GND
GMHS-H
GMHS-L
5V
SRC
A/D PD
ZN#
ZN#
GND
1
7
6
34
9
23
Module-Integrated Trailer Brake Controller
900_itbc31_a
UPC
FNA
001
15491306
LOCATED INSIDE DRIVER, REAR FRAME
HD ON FRAME, LD ON BRACKET WITH FSCM
2
1
1750 ITBC_MDL31_GND
2501 HSLAN_ITBC31_OUT-
Ground Distribution
Gnd Zone #17
Page - Gnd Dist - 20
Power Moding/Serial Data
Terminator
Page - Pwr Mode - 21
2500 HSLAN_ITBC31_OUT+
Power Moding/Serial Data
Terminator
Page - Pwr Mode - 21

NOTES

- • 1 – WIRE UPSIZED TO 2.0 FOR ITBC MDL TERMINAL VALIDATION
- • 2 – M/C PRESSURE SENSOR IS READ BY ABS MDL, AND SENT GMLAN TO ITBC
- • 3 – PACKAGE PROTECT PINS 34,9,23 FOR M/C PRESSURE SENSOR
- • 4 – ITBC MDL, SSR, AND TRAILER MUST GO TO A COMMON GROUND

ARE74249
003
GMT900
GM Proprietary

Tuesday, October 31, 2006
7:11:35 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 10/31

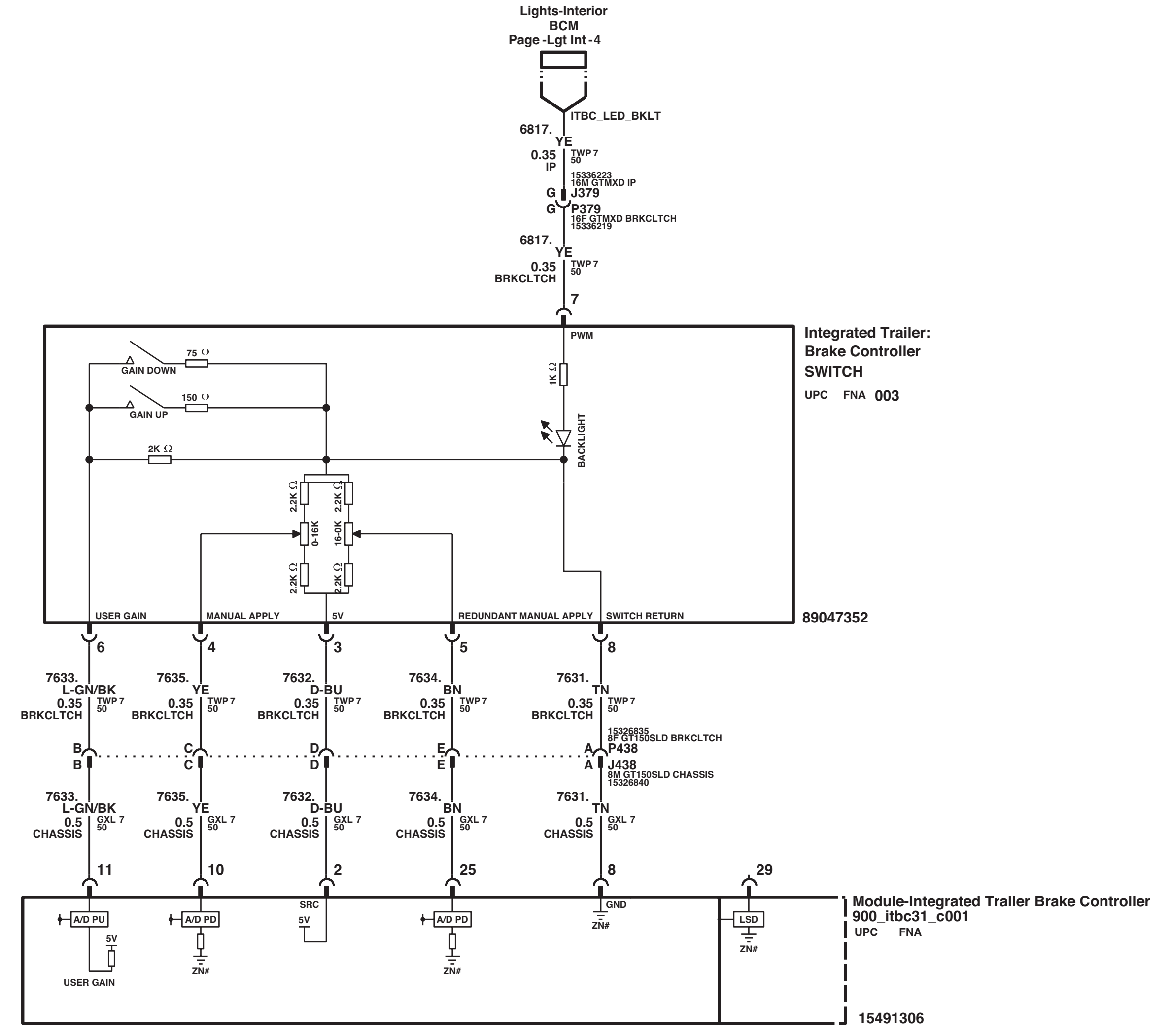
1_08_brk_itbc31 Panel 1 of 3

Panel Set: 1

&JL1&SERIES10/SERIES31

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 10/31


Lights-Interior
BCM
Page -Lgt Int -4
ITBC_LED_BKLT
6817.
YE
0.35
IP
TWP 7
50
15336223
16M GTMXD IP
G
J379
G
P379
16F GTMXD BRKCLTCH
15336219
6817.
YE
0.35
BRKCLTCH
TWP 7
50
7
PWM
Integrated Trailer:
Brake Controller
SWITCH
UPC FNA 003
75 Ω
GAIN DOWN
150 Ω
GAIN UP
2K Ω
1K Ω
BACKLIGHT
2.2K Ω
2.2K Ω
0-16K
16-0K
2.2K Ω
2.2K Ω
USER GAIN
MANUAL APPLY
5V
REDUNDANT MANUAL APPLY
SWITCH RETURN
89047352
6
4
3
5
8
7633.
L-GN/BK
0.35
BRKCLTCH
TWP 7
50
7635.
YE
0.35
BRKCLTCH
TWP 7
50
7632.
D-BU
0.35
BRKCLTCH
TWP 7
50
7634.
BN
0.35
BRKCLTCH
TWP 7
50
7631.
TN
0.35
BRKCLTCH
TWP 7
50
15326835
8F GT150SLD BRKCLTCH
P438
B B
C C
D D
E E
A A
J438
8M GT150SLD CHASSIS
15326840
7633.
L-GN/BK
0.5
CHASSIS
GXL 7
50
7635.
YE
0.5
CHASSIS
GXL 7
50
7632.
D-BU
0.5
CHASSIS
GXL 7
50
7634.
BN
0.5
CHASSIS
GXL 7
50
7631.
TN
0.5
CHASSIS
GXL 7
50
11
10
2
25
8
29
A/D PU
5V
USER GAIN
A/D PD
ZN#
SRC
5V
A/D PD
ZN#
GND
ZN#
LSD
ZN#
Module-Integrated Trailer Brake Controller
900_itbc31_c001
UPC FNA
15491306

ARE74249
003
GMT900
GM Proprietary

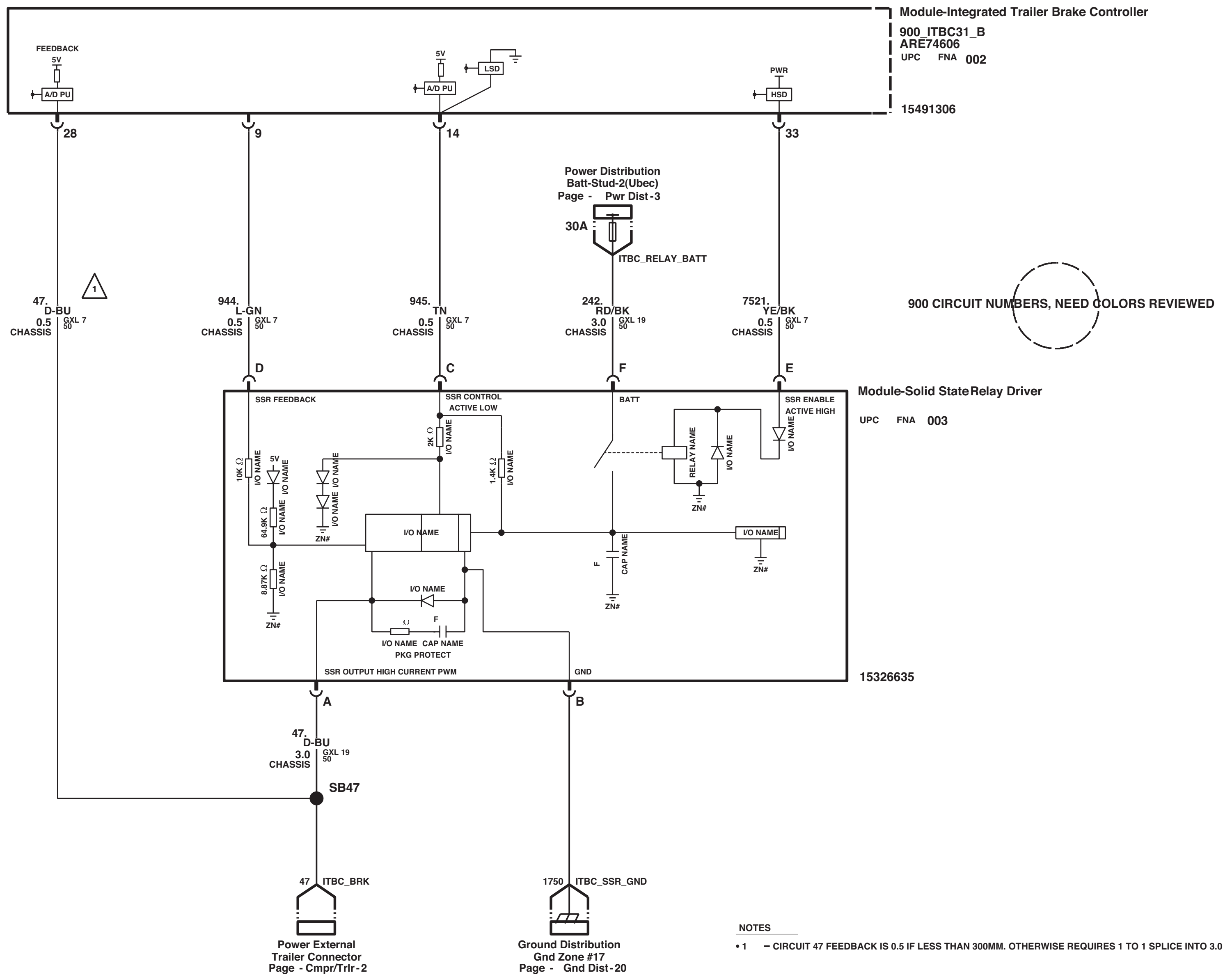
Tuesday, October 31, 2006
7:11:35 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 10/31

1_08_brk_itbc31 Panel 2 of 3 Panel Set: 2 &JL1&SERIES10/SERIES31

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Integrated Trailer Brake Controller-Series 10/31


Module-Integrated Trailer Brake Controller
900_ITBC31_B
ARE74606
UPC FNA 002
15491306
FEEDBACK
5V
A/D PU
LSD
PWR
HSD
28
9
14
33
Power Distribution
Batt-Stud-2(Ubec)
Page - Pwr Dist-3
30A
ITBC_RELAY_BATT
1
47.
D-BU
0.5
CHASSIS
GXL 7
50
944.
L-GN
945.
TN
242.
RD/BK
3.0
GXL 19
7521.
YE/BK
900 CIRCUIT NUMBERS, NEED COLORS REVIEWED
D
C
F
E
Module-Solid State Relay Driver
UPC FNA 003
SSR FEEDBACK
SSR CONTROL
ACTIVE LOW
BATT
SSR ENABLE
ACTIVE HIGH
10K Ω
64.9K Ω
8.87K Ω
2K Ω
1.4K Ω
I/O NAME
RELAY NAME
CAP NAME
PKG PROTECT
ZN#
SSR OUTPUT HIGH CURRENT PWM
GND
15326635
A
B
47.
D-BU
3.0
GXL 19
50
CHASSIS
SB47
47 ITBC_BRK
1750 ITBC_SSR_GND
Power External
Trailer Connector
Page - Cmpr/Trlr-2
Ground Distribution
Gnd Zone #17
Page - Gnd Dist-20

NOTES

- 1 – CIRCUIT 47 FEEDBACK IS 0.5 IF LESS THAN 300MM. OTHERWISE REQUIRES 1 TO 1 SPLICE INTO 3.0

ARE74249
003
GMT900
GM Proprietary

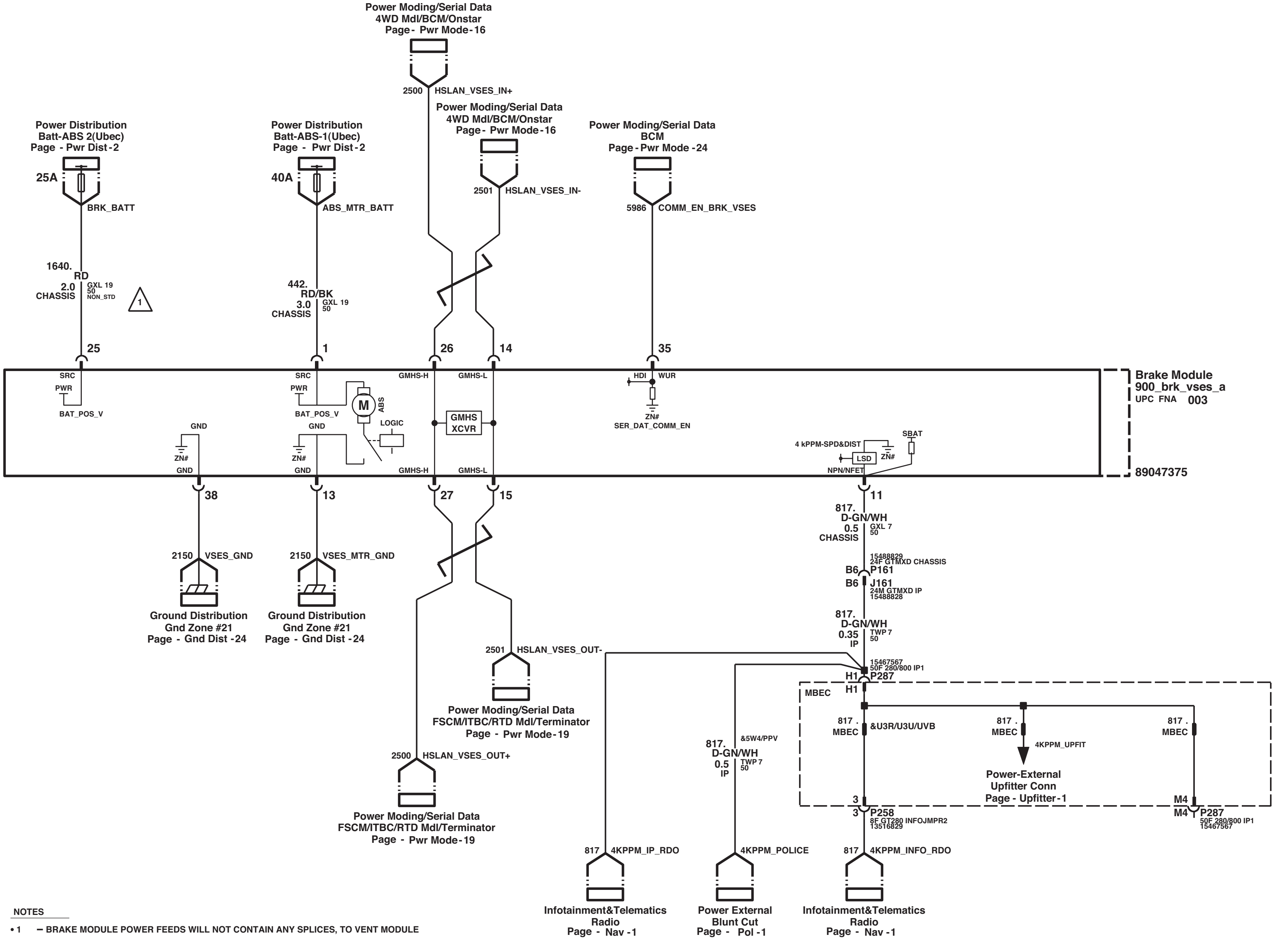
Tuesday, October 31, 2006
7:11:35 am 9
IEC/ESI

Brakes/Veh. Speed: Integrated Trailer Brake Controller-Series 10/31

1_08_brk_itbc31 Panel 3 of 3 Panel Set: 3 &JL1&SERIES10/SERIES31

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System


Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page - Pwr Mode-16
2500 HSLAN_VSES_IN+
Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page - Pwr Mode-16
2501 HSLAN_VSES_IN-
Power Distribution
Batt-ABS 2(Ubec)
Page - Pwr Dist-2
25A
BRK_BATT
Power Distribution
Batt-ABS-1(Ubec)
Page - Pwr Dist-2
40A
ABS_MTR_BATT
Power Moding/Serial Data
BCM
Page - Pwr Mode -24
5986 COMM_EN_BRK_VSES
1640.
RD
2.0
CHASSIS
GXL 19
50
NON_STD
1
442.
RD/BK
3.0
CHASSIS
GXL 19
50
25
1
26
14
35
SRC
PWR
BAT_POS_V
SRC
PWR
BAT_POS_V
M
ABS
LOGIC
GMHS-H
GMHS-L
GMHS
XCVR
HDI
WUR
ZN#
SER_DAT_COMM_EN
GND
ZN#
GND
GND
ZN#
GND
GMHS-H
GMHS-L
4 kPPM-SPD&DIST
LSD
ZN#
SBAT
NPN/NFET
Brake Module
900_brk_vses_a
UPC FNA 003
89047375
38
13
27
15
11
2150 VSES_GND
2150 VSES_MTR_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist -24
Ground Distribution
Gnd Zone #21
Page - Gnd Dist -24
817.
D-GN/WH
0.5
CHASSIS
GXL 7
50
15488829
24F GTMXD CHASSIS
B6 P161
B6 J161
24M GTMXD IP
15488828
817.
D-GN/WH
0.35
IP
TWP 7
50
2501 HSLAN_VSES_OUT-
Power Moding/Serial Data
FSCM/ITBC/RTD Mdl/Terminator
Page - Pwr Mode-19
2500 HSLAN_VSES_OUT+
Power Moding/Serial Data
FSCM/ITBC/RTD Mdl/Terminator
Page - Pwr Mode-19
15467567
50F 280/800 IP1
H1 P287
H1
MBEC
817 .
MBEC
&U3R/U3U/UVB
817 .
MBEC
4KPPM_UPFIT
Power-External
Upfitter Conn
Page - Upfitter-1
817 .
MBEC
&5W4/PPV
817.
D-GN/WH
0.5
IP
TWP 7
50
3
3 P258
8F GT280 INFOJMPR2
13516829
M4
M4 P287
50F 280/800 IP1
15467567
817 4KPPM_IP_RDO
4KPPM_POLICE
817 4KPPM_INFO_RDO
Infotainment&Telematics
Radio
Page - Nav -1
Power External
Blunt Cut
Page - Pol -1
Infotainment&Telematics
Radio
Page - Nav -1

NOTES

- 1 – BRAKE MODULE POWER FEEDS WILL NOT CONTAIN ANY SPLICES, TO VENT MODULE

ARE16358
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:08:44 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses Panel 1 of 4

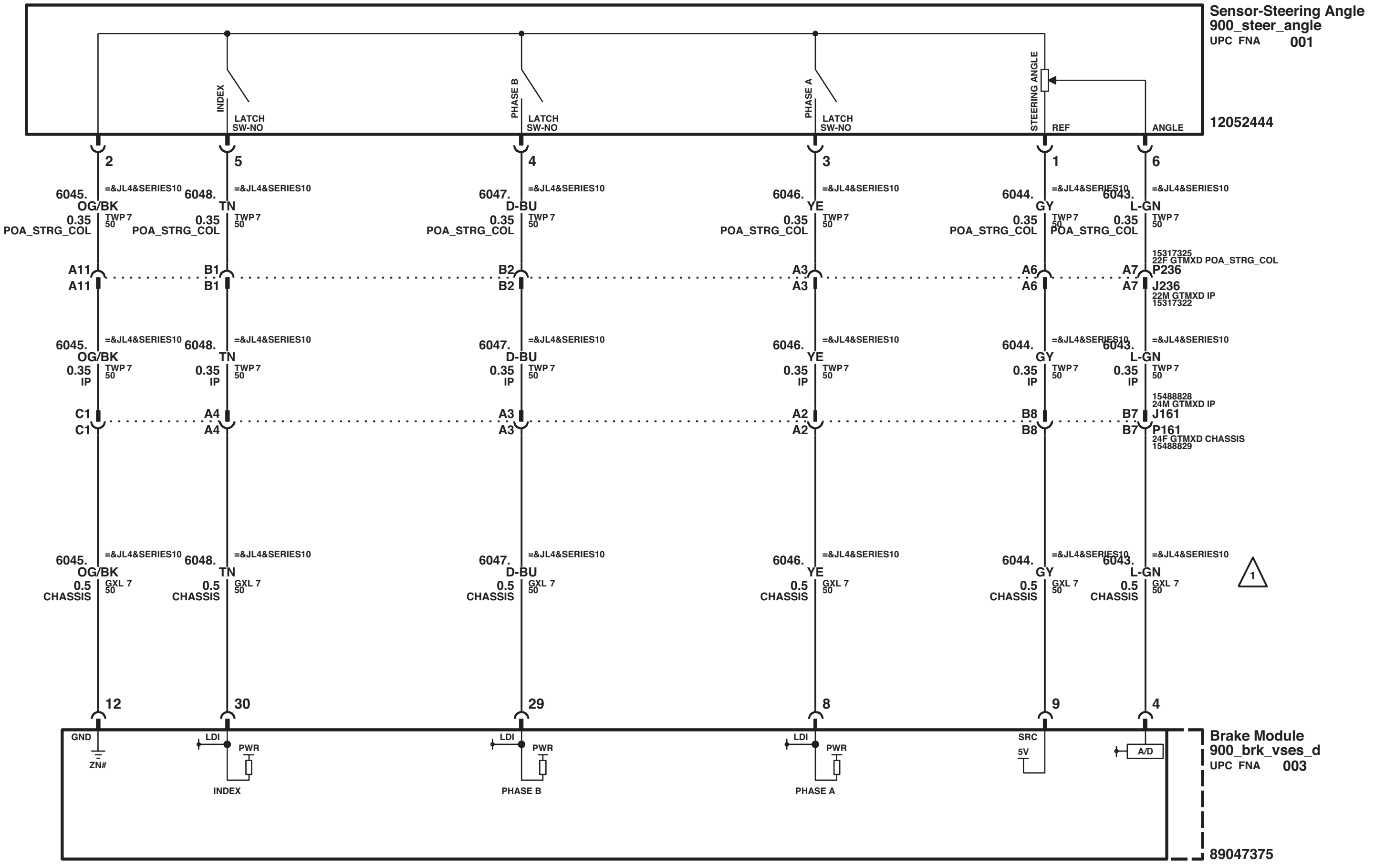
Panel Set: 1

&JL0/JL4&SERIES10

2008
GMT900
IVER

System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System


Sensor-Steering Angle
900_steer_angle
UPC FNA 001
12052444
INDEX
PHASE B
PHASE A
STEERING ANGLE
LATCH SW-NO
REF
ANGLE
2
5
4
3
1
6
6045. OG/BK 0.35 TWP 7 50 POA_STRG_COL
6048. TN 0.35 TWP 7 50 POA_STRG_COL
6047. D-BU 0.35 TWP 7 50 POA_STRG_COL
6046. YE 0.35 TWP 7 50 POA_STRG_COL
6044. GY 0.35 TWP 7 50 POA_STRG_COL
6043. L-GN 0.35 TWP 7 50 POA_STRG_COL
=&JL4&SERIES10
A11
B1
B2
A3
A6
A7
P236
15317325 22F GTMXD POA_STRG_COL
J236
22M GTMXD IP 15317322
6045. OG/BK 0.35 TWP 7 50 IP
6048. TN 0.35 TWP 7 50 IP
6047. D-BU 0.35 TWP 7 50 IP
6046. YE 0.35 TWP 7 50 IP
6044. GY 0.35 TWP 7 50 IP
6043. L-GN 0.35 TWP 7 50 IP
C1
A4
A3
A2
B8
B7
J161
15488828 24M GTMXD IP
P161
24F GTMXD CHASSIS 15488829
6045. OG/BK 0.5 GXL 7 50 CHASSIS
6048. TN 0.5 GXL 7 50 CHASSIS
6047. D-BU 0.5 GXL 7 50 CHASSIS
6046. YE 0.5 GXL 7 50 CHASSIS
6044. GY 0.5 GXL 7 50 CHASSIS
6043. L-GN 0.5 GXL 7 50 CHASSIS
1
12
30
29
8
9
4
GND
ZN#
LDI
PWR
INDEX
PHASE B
PHASE A
SRC
5V
A/D
Brake Module
900_brk_vses_d
UPC FNA 003
89047375

NOTES

- 1 – FOR &PPV, POLICE PACKAGE, SAS CHASSIS WIRES ARE 'GIVE-AWAY'
- 2 – SAS MAY BE SUPPLIER INTEGRATED
- 3 – SAS REQUIRED WITH VSES,EVO/MSVA, RTD, OR 4WS

ARE16358
003
GMT900
GM Proprietary

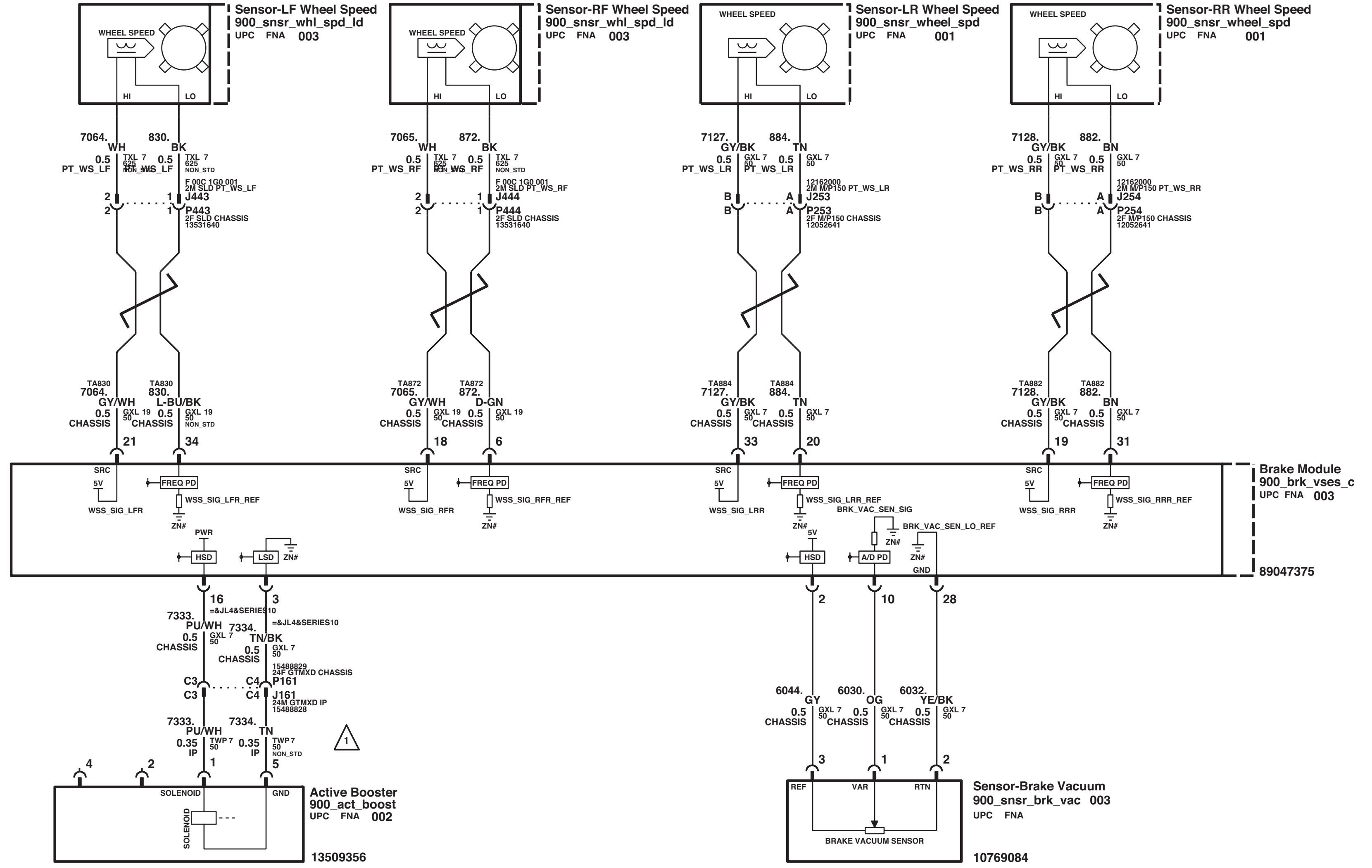
Thursday, July 13, 2006
7:08:44 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses Panel 2 of 4 Panel Set: 2 &JL0/JL4&SERIES10

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System


Sensor-LF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 003
WHEEL SPEED
HI
LO
7064.
WH
0.5
PT_WS_LF
TXL 7
625
830.
BK
0.5
PT_WS_LF
TXL 7
625
NON_STD
F 00C 1G0 001
2M SLD PT_WS_LF
J443
P443
2F SLD CHASSIS
13531640
Sensor-RF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 003
7065.
WH
PT_WS_RF
872.
BK
PT_WS_RF
2M SLD PT_WS_RF
J444
P444
2F SLD CHASSIS
13531640
Sensor-LR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
7127.
GY/BK
PT_WS_LR
GXL 7
50
884.
TN
PT_WS_LR
12162000
2M M/P150 PT_WS_LR
J253
P253
2F M/P150 CHASSIS
12052641
Sensor-RR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
7128.
GY/BK
PT_WS_RR
882.
BN
PT_WS_RR
12162000
2M M/P150 PT_WS_RR
J254
P254
2F M/P150 CHASSIS
12052641
TA830
7064.
GY/WH
GXL 19
CHASSIS
TA830
830.
L-BU/BK
21
34
TA872
7065.
GY/WH
TA872
872.
D-GN
18
6
TA884
7127.
GY/BK
TA884
884.
TN
33
20
TA882
7128.
GY/BK
TA882
882.
BN
19
31
Brake Module
900_brk_vses_c
UPC FNA 003
89047375
SRC
5V
FREQ PD
WSS_SIG_LFR
WSS_SIG_LFR_REF
ZN#
WSS_SIG_RFR
WSS_SIG_RFR_REF
WSS_SIG_LRR
WSS_SIG_LRR_REF
BRK_VAC_SEN_SIG
BRK_VAC_SEN_LO_REF
WSS_SIG_RRR
WSS_SIG_RRR_REF
PWR
HSD
LSD
A/D PD
GND
16
3
=&JL4&SERIES10
7333.
PU/WH
7334.
TN/BK
15488829
24F GTMXD CHASSIS
C3
C4
P161
J161
24M GTMXD IP
15488828
7333.
PU/WH
0.35
IP
TWP 7
50
7334.
TN
NON_STD
1
4
2
1
5
SOLENOID
GND
Active Booster
900_act_boost
UPC FNA 002
13509356
2
10
28
6044.
GY
6030.
OG
6032.
YE/BK
3
1
2
REF
VAR
RTN
BRAKE VACUUM SENSOR
Sensor-Brake Vacuum
900_snsr_brk_vac 003
UPC FNA
10769084

NOTES

• 1 – ACTIVE BOOSTER WIRES INCLUDED IN JL0 IP HARNESS, TO SEAL THE CONNECTOR CAVITY ON THE ACTIVE BOOSTER

ARE16358
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:08:44 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

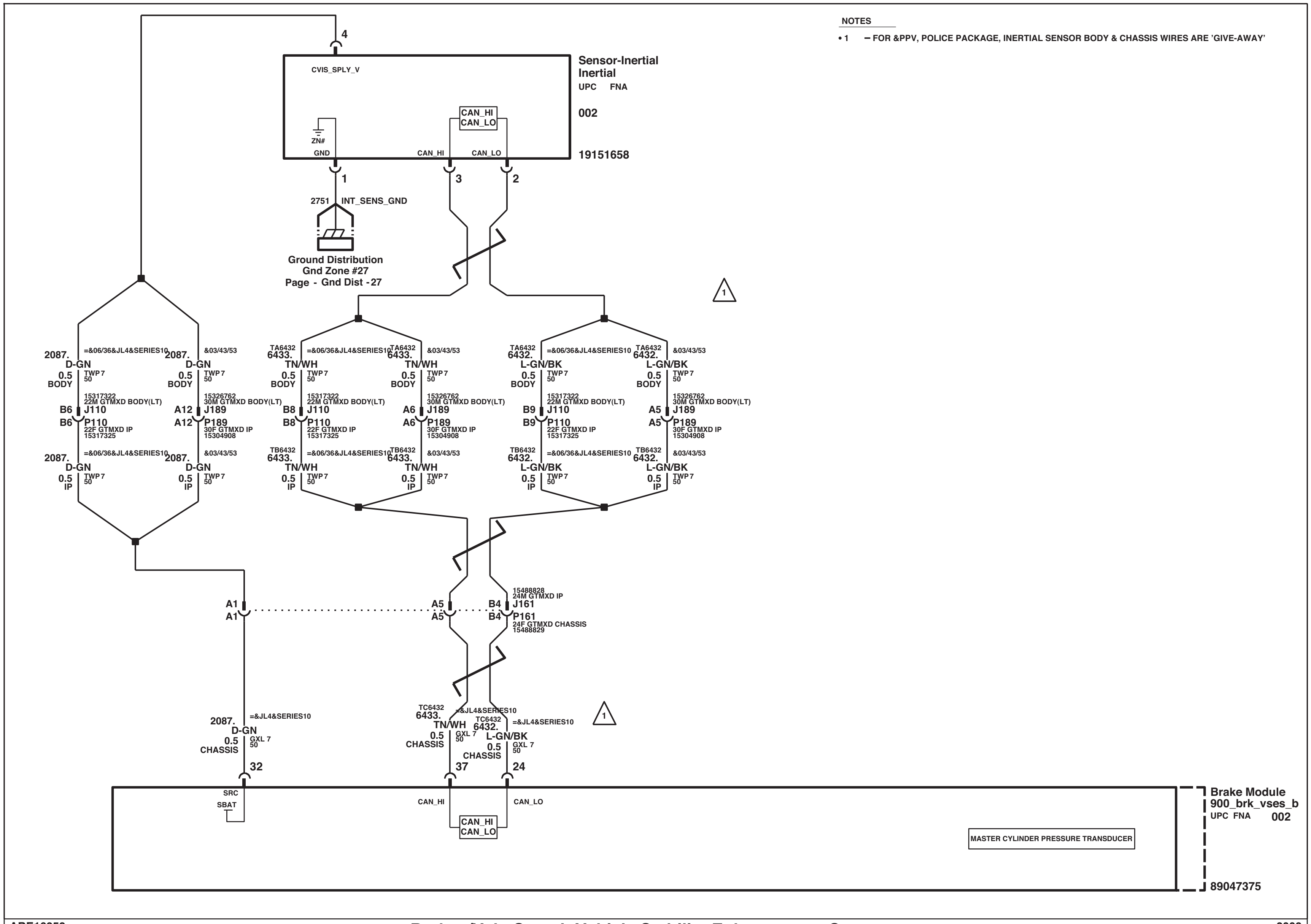
1_08_brk_vses Panel 3 of 4

Panel Set: 3

&JL0/JL4&SERIES10

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System


4
CVIS_SPLY_V
Sensor-Inertial
Inertial
UPC FNA
002
19151658
CAN_HI
CAN_LO
ZN#
GND
CAN_HI
CAN_LO
1
3
2
2751 INT_SENS_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist -27
1
2087. =&06/36&JL4&SERIES10 D-GN 0.5 BODY TWP7 50
2087. &03/43/53 D-GN 0.5 BODY TWP7 50
TA6432 6433. =&06/36&JL4&SERIES10 TN/WH 0.5 BODY TWP7 50
TA6432 6433. &03/43/53 TN/WH 0.5 BODY TWP7 50
TA6432 6432. =&06/36&JL4&SERIES10 L-GN/BK 0.5 BODY TWP7 50
TA6432 6432. &03/43/53 L-GN/BK 0.5 BODY TWP7 50
15317322 22M GTMXD BODY(LT)
15326762 30M GTMXD BODY(LT)
B6 J110
B6 P110
A12 J189
A12 P189
B8 J110
B8 P110
A6 J189
A6 P189
B9 J110
B9 P110
A5 J189
A5 P189
22F GTMXD IP 15317325
30F GTMXD IP 15304908
2087. =&06/36&JL4&SERIES10 D-GN 0.5 IP TWP7 50
2087. &03/43/53 D-GN 0.5 IP TWP7 50
TB6432 6433. =&06/36&JL4&SERIES10 TN/WH 0.5 IP TWP7 50
TB6432 6433. &03/43/53 TN/WH 0.5 IP TWP7 50
TB6432 6432. =&06/36&JL4&SERIES10 L-GN/BK 0.5 IP TWP7 50
TB6432 6432. &03/43/53 L-GN/BK 0.5 IP TWP7 50
A1
A1
A5
A5
B4 J161
B4 P161
15488828 24M GTMXD IP
24F GTMXD CHASSIS 15488829
2087. =&JL4&SERIES10 D-GN 0.5 CHASSIS GXL 7 50
TC6432 6433. =&JL4&SERIES10 TN/WH 0.5 CHASSIS GXL 7 50
TC6432 6432. =&JL4&SERIES10 L-GN/BK 0.5 CHASSIS GXL 7 50
1
32
37
24
SRC
SBAT
CAN_HI
CAN_LO
CAN_HI
CAN_LO
MASTER CYLINDER PRESSURE TRANSDUCER
Brake Module
900_brk_vses_b
UPC FNA 002
89047375

NOTES

- 1 – FOR &PPV, POLICE PACKAGE, INERTIAL SENSOR BODY & CHASSIS WIRES ARE 'GIVE-AWAY'

ARE16358
003
GMT900
GM Proprietary

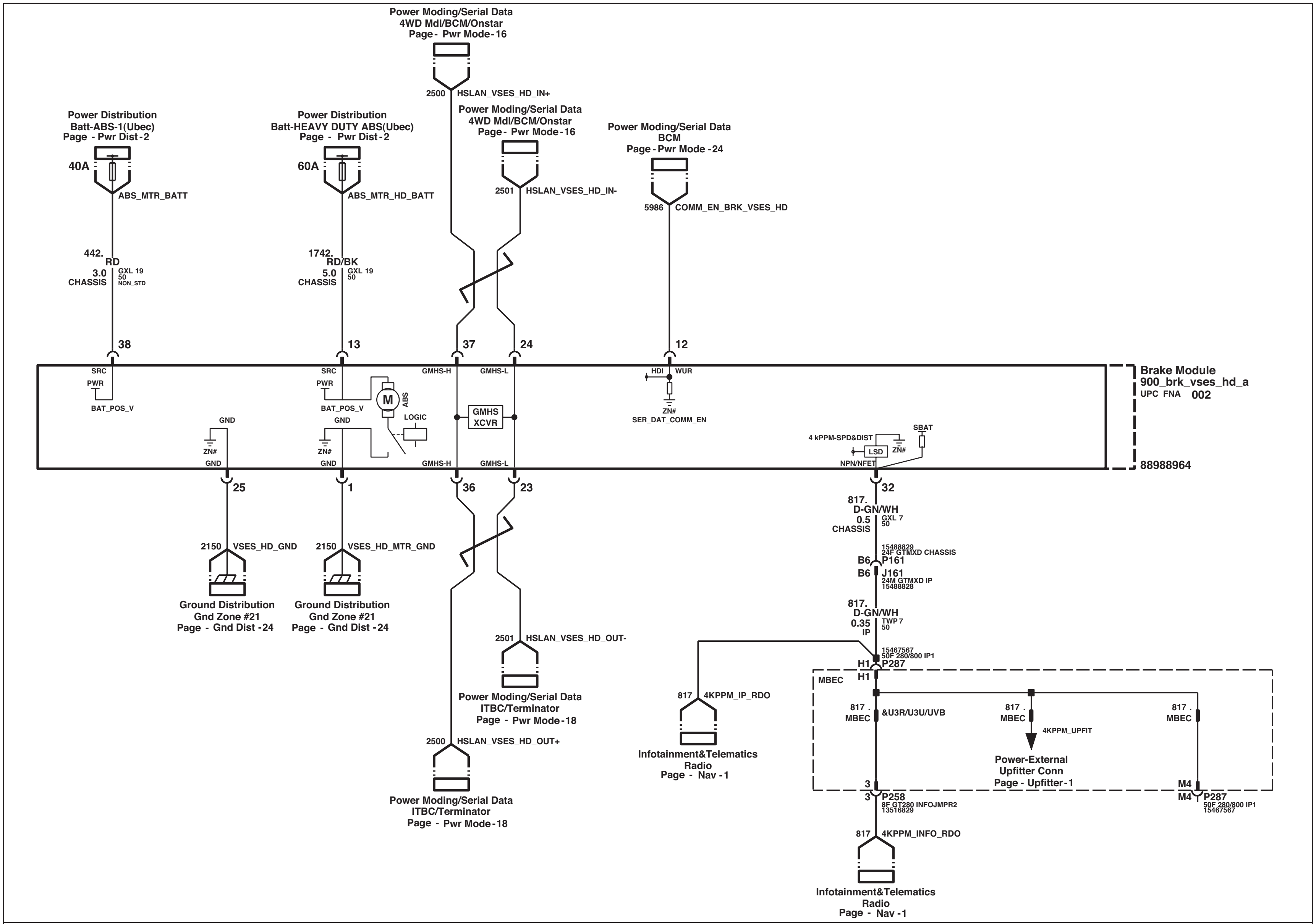
Thursday, July 13, 2006
7:08:44 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses Panel 4 of 4 Panel Set: 4 &JL0/JL4&SERIES10

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System-Heavy Duty


Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page- Pwr Mode-16
2500 HSLAN_VSES_HD_IN+
Power Distribution
Batt-ABS-1(Ubec)
Page - Pwr Dist-2
40A
ABS_MTR_BATT
Power Distribution
Batt-HEAVY DUTY ABS(Ubec)
Page - Pwr Dist-2
60A
ABS_MTR_HD_BATT
Power Moding/Serial Data
4WD Mdl/BCM/Onstar
Page- Pwr Mode-16
2501 HSLAN_VSES_HD_IN-
Power Moding/Serial Data
BCM
Page-Pwr Mode-24
5986 COMM_EN_BRK_VSES_HD
442. RD 3.0 CHASSIS GXL 19 50 NON_STD
1742. RD/BK 5.0 CHASSIS GXL 19 50
38
13
37
24
12
SRC
PWR
BAT_POS_V
SRC
PWR
BAT_POS_V
M
ABS
LOGIC
GMHS-H
GMHS-L
GMHS XCVR
HDI
WUR
ZN#
SER_DAT_COMM_EN
GND
ZN#
GND
GND
ZN#
GND
GMHS-H
GMHS-L
4 kPPM-SPD&DIST
SBAT
LSD
ZN#
NPN/NFET
Brake Module
900_brk_vses_hd_a
UPC FNA 002
88988964
25
1
36
23
32
817. D-GN/WH 0.5 CHASSIS GXL 7 50
2150 VSES_HD_GND
2150 VSES_HD_MTR_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist-24
Ground Distribution
Gnd Zone #21
Page - Gnd Dist-24
15488829 24F GTMXD CHASSIS
B6 P161
B6 J161
24M GTMXD IP 15488828
817. D-GN/WH 0.35 IP TWP 7 50
2501 HSLAN_VSES_HD_OUT-
15467567 50F 280/800 IP1
H1 P287
H1
MBEC
Power Moding/Serial Data
ITBC/Terminator
Page - Pwr Mode-18
817 4KPPM_IP_RDO
817 . MBEC &U3R/U3U/UVB
817 . MBEC 4KPPM_UPFIT
817 . MBEC
2500 HSLAN_VSES_HD_OUT+
Infotainment&Telematics
Radio
Page - Nav-1
Power-External
Upfitter Conn
Page - Upfitter-1
3
3 P258
8F GT280 INFOJMPR2 13516829
M4
M4 P287
50F 280/800 IP1 15467567
Power Moding/Serial Data
ITBC/Terminator
Page - Pwr Mode-18
817 4KPPM_INFO_RDO
Infotainment&Telematics
Radio
Page - Nav-1

ARE74250
003
GMT900
GM Proprietary

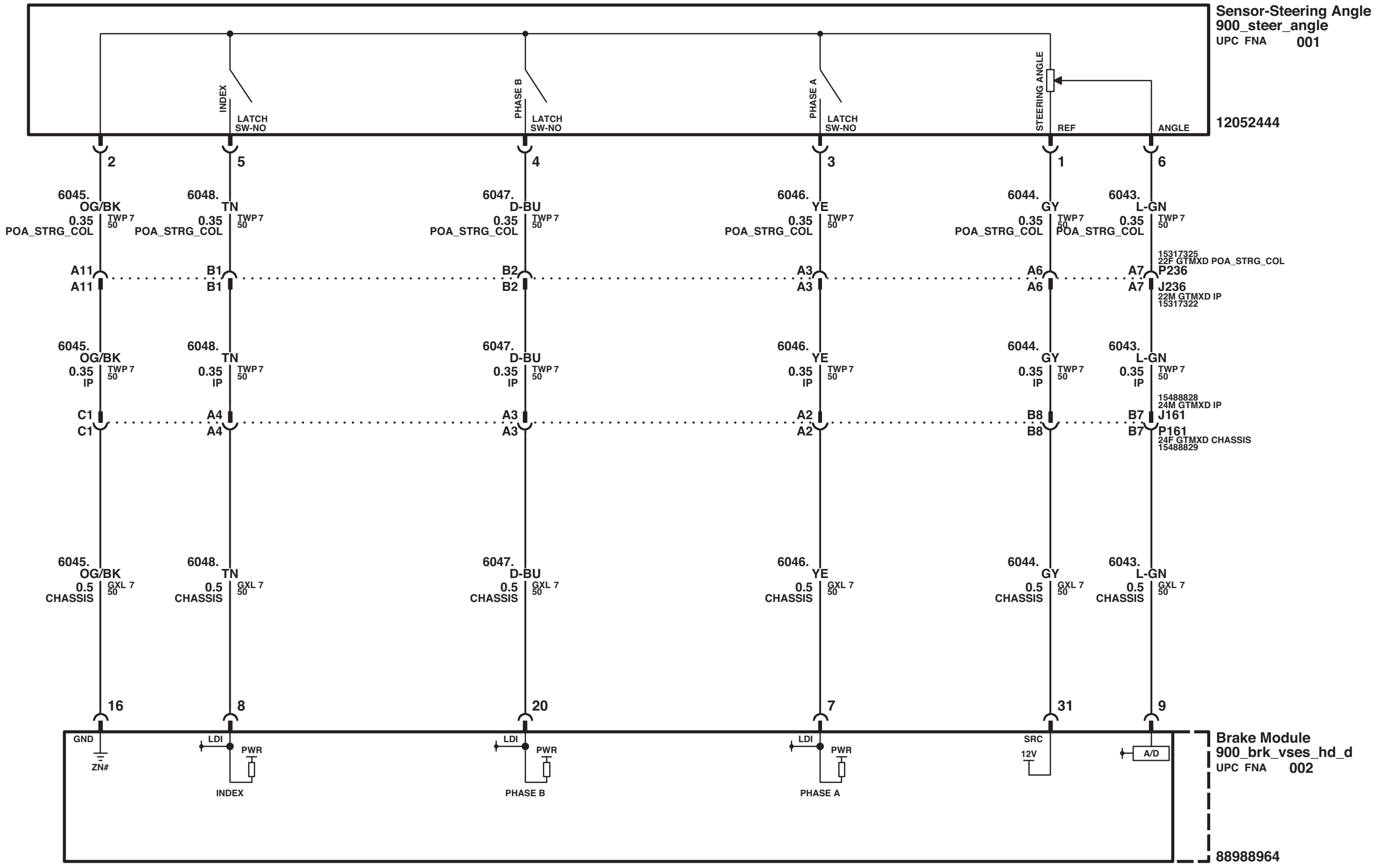
Thursday, July 13, 2006
7:13:27 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System-Heavy duty

1_08_brk_vses_hd Panel 1 of 4 Panel Set: 1 &JL4&SERIES20

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System-Heavy Duty


Sensor-Steering Angle
900_steer_angle
UPC FNA 001
12052444
INDEX
LATCH SW-NO
PHASE B
LATCH SW-NO
PHASE A
LATCH SW-NO
STEERING ANGLE
REF
ANGLE
2
5
4
3
1
6
6045. OG/BK 0.35 TWP 7 50 POA_STRG_COL
6048. TN 0.35 TWP 7 50 POA_STRG_COL
6047. D-BU 0.35 TWP 7 50 POA_STRG_COL
6046. YE 0.35 TWP 7 50 POA_STRG_COL
6044. GY 0.35 TWP 7 50 POA_STRG_COL
6043. L-GN 0.35 TWP 7 50 POA_STRG_COL
15317325
22F GTMXD POA_STRG_COL
P236
J236
22M GTMXD IP
15317322
A11 A11
B1 B1
B2 B2
A3 A3
A6 A6
A7 A7
6045. OG/BK 0.35 TWP 7 50 IP
6048. TN 0.35 TWP 7 50 IP
6047. D-BU 0.35 TWP 7 50 IP
6046. YE 0.35 TWP 7 50 IP
6044. GY 0.35 TWP 7 50 IP
6043. L-GN 0.35 TWP 7 50 IP
15488828
24M GTMXD IP
J161
P161
24F GTMXD CHASSIS
15488829
C1 C1
A4 A4
A3 A3
A2 A2
B8 B8
B7 B7
6045. OG/BK 0.5 GXL 7 50 CHASSIS
6048. TN 0.5 GXL 7 50 CHASSIS
6047. D-BU 0.5 GXL 7 50 CHASSIS
6046. YE 0.5 GXL 7 50 CHASSIS
6044. GY 0.5 GXL 7 50 CHASSIS
6043. L-GN 0.5 GXL 7 50 CHASSIS
16
8
20
7
31
9
GND
ZN#
LDI
PWR
INDEX
LDI
PWR
PHASE B
LDI
PWR
PHASE A
SRC
12V
A/D
Brake Module
900_brk_vses_hd_d
UPC FNA 002
88988964

NOTES

- 1 – SAS MAY BE SUPPLIER INTEGRATED
- 2 – SAS REQUIRED WITH VSES,EVO/MSVA, RTD, OR 4WS

ARE74250
003
GMT900
GM Proprietary

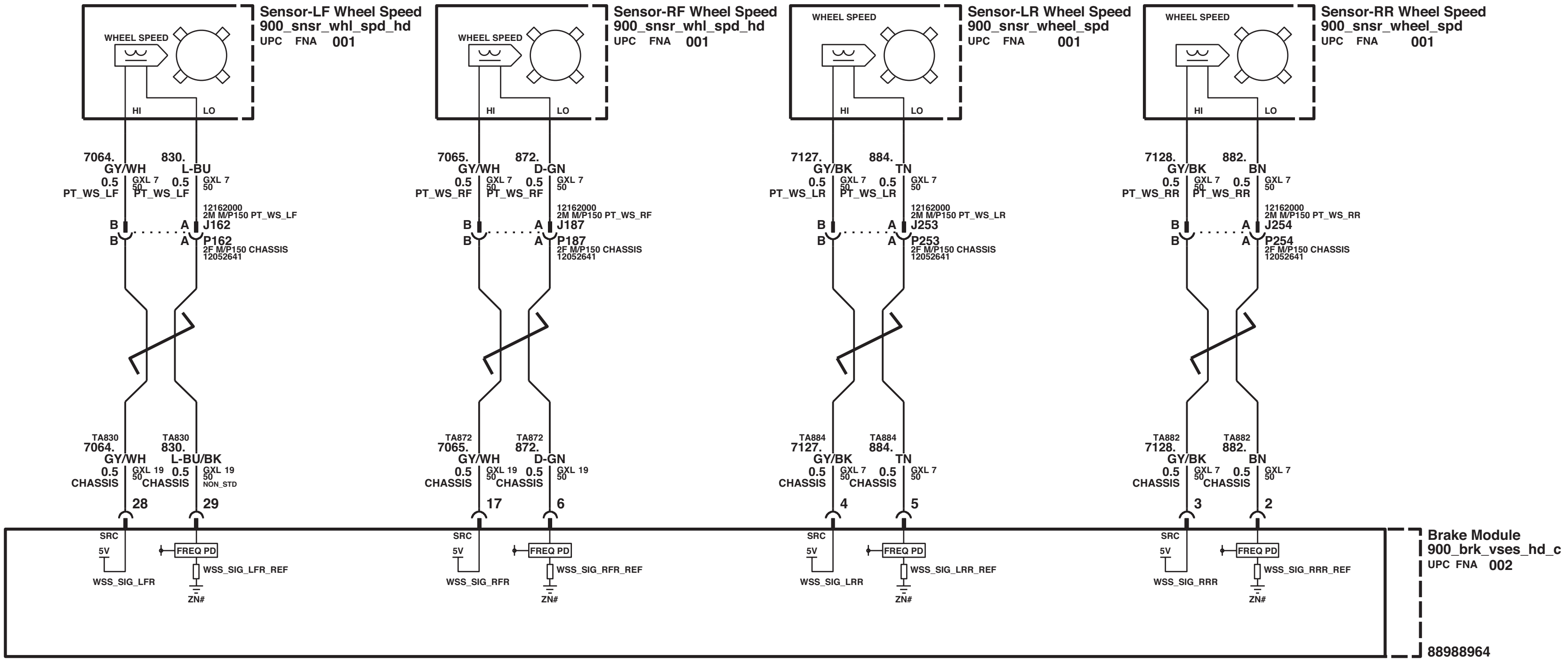
Thursday, July 13, 2006
7:13:27 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System-Heavy duty

1_08_brk_vses_hd Panel 2 of 4 Panel Set: 2 &JL4&SERIES20

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System-Heavy Duty


Sensor-LF Wheel Speed
900_snsr_whl_spd_hd
UPC FNA 001
WHEEL SPEED
HI
LO
7064.
GY/WH
0.5
GXL 7
50
PT_WS_LF
830.
L-BU
0.5
GXL 7
50
PT_WS_LF
12162000
2M M/P150 PT_WS_LF
B
A
J162
B
A
P162
2F M/P150 CHASSIS
12052641
TA830
7064.
GY/WH
0.5
GXL 19
50
CHASSIS
TA830
830.
L-BU/BK
0.5
GXL 19
50
NON_STD
CHASSIS
28
29
Sensor-RF Wheel Speed
900_snsr_whl_spd_hd
UPC FNA 001
WHEEL SPEED
HI
LO
7065.
GY/WH
0.5
GXL 7
50
PT_WS_RF
872.
D-GN
0.5
GXL 7
50
PT_WS_RF
12162000
2M M/P150 PT_WS_RF
B
A
J187
B
A
P187
2F M/P150 CHASSIS
12052641
TA872
7065.
GY/WH
0.5
GXL 19
50
CHASSIS
TA872
872.
D-GN
0.5
GXL 19
50
CHASSIS
17
6
Sensor-LR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
WHEEL SPEED
HI
LO
7127.
GY/BK
0.5
GXL 7
50
PT_WS_LR
884.
TN
0.5
GXL 7
50
PT_WS_LR
12162000
2M M/P150 PT_WS_LR
B
A
J253
B
A
P253
2F M/P150 CHASSIS
12052641
TA884
7127.
GY/BK
0.5
GXL 7
50
CHASSIS
TA884
884.
TN
0.5
GXL 7
50
CHASSIS
4
5
Sensor-RR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
WHEEL SPEED
HI
LO
7128.
GY/BK
0.5
GXL 7
50
PT_WS_RR
882.
BN
0.5
GXL 7
50
PT_WS_RR
12162000
2M M/P150 PT_WS_RR
B
A
J254
B
A
P254
2F M/P150 CHASSIS
12052641
TA882
7128.
GY/BK
0.5
GXL 7
50
CHASSIS
TA882
882.
BN
0.5
GXL 7
50
CHASSIS
3
2
SRC
5V
WSS_SIG_LFR
FREQ PD
WSS_SIG_LFR_REF
ZN#
SRC
5V
WSS_SIG_RFR
FREQ PD
WSS_SIG_RFR_REF
ZN#
SRC
5V
WSS_SIG_LRR
FREQ PD
WSS_SIG_LRR_REF
ZN#
SRC
5V
WSS_SIG_RRR
FREQ PD
WSS_SIG_RRR_REF
ZN#
Brake Module
900_brk_vses_hd_c
UPC FNA 002
88988964

ARE74250
003
GMT900
GM Proprietary

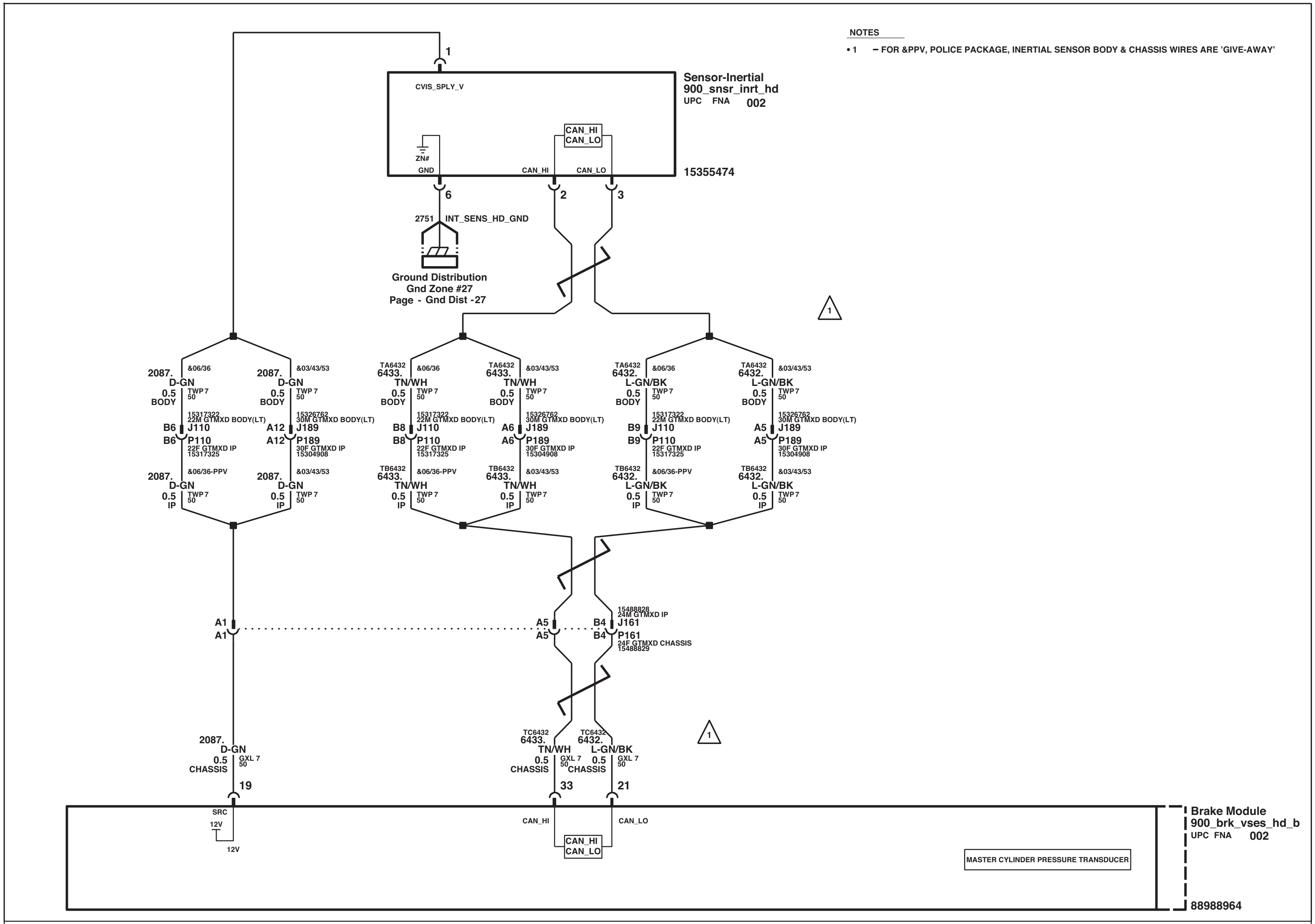
Thursday, July 13, 2006
7:13:27 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System-Heavy duty

1_08_brk_vses_hd Panel 3 of 4 Panel Set: 3 &JL4&SERIES20

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System-Heavy Duty



NOTES
• 1 – FOR &PPV, POLICE PACKAGE, INERTIAL SENSOR BODY & CHASSIS WIRES ARE 'GIVE-AWAY'
Sensor-Inertial
900_snsr_inrt_hd
UPC FNA 002
15355474
CVIS_SPLY_V
ZN#
GND
CAN_HI
CAN_LO
1
6
2
3
2751 INT_SENS_HD_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist -27
1
2087. D-GN 0.5 BODY TWP 7 50 &06/36
2087. D-GN 0.5 BODY TWP 7 50 &03/43/53
TA6432 6433. TN/WH 0.5 BODY TWP 7 50 &06/36
TA6432 6433. TN/WH 0.5 BODY TWP 7 50 &03/43/53
TA6432 6432. L-GN/BK 0.5 BODY TWP 7 50 &06/36
TA6432 6432. L-GN/BK 0.5 BODY TWP 7 50 &03/43/53
15317322 22M GTMXD BODY(LT)
15326762 30M GTMXD BODY(LT)
B6 J110
B6 P110
A12 J189
A12 P189
B8 J110
B8 P110
A6 J189
A6 P189
B9 J110
B9 P110
A5 J189
A5 P189
22F GTMXD IP 15317325
30F GTMXD IP 15304908
2087. D-GN 0.5 IP TWP 7 50 &06/36-PPV
2087. D-GN 0.5 IP TWP 7 50 &03/43/53
TB6432 6433. TN/WH 0.5 IP TWP 7 50 &06/36-PPV
TB6432 6433. TN/WH 0.5 IP TWP 7 50 &03/43/53
TB6432 6432. L-GN/BK 0.5 IP TWP 7 50 &06/36-PPV
TB6432 6432. L-GN/BK 0.5 IP TWP 7 50 &03/43/53
15488828 24M GTMXD IP
A1 A1
A5 A5
B4 J161
B4 P161
24F GTMXD CHASSIS 15488829
2087. D-GN 0.5 CHASSIS GXL 7 50
TC6432 6433. TN/WH 0.5 CHASSIS GXL 7 50
TC6432 6432. L-GN/BK 0.5 CHASSIS GXL 7 50
1
19
33
21
SRC
12V
12V
CAN_HI
CAN_LO
MASTER CYLINDER PRESSURE TRANSDUCER
Brake Module
900_brk_vses_hd_b
UPC FNA 002
88988964

ARE74250
003
GMT900
GM Proprietary

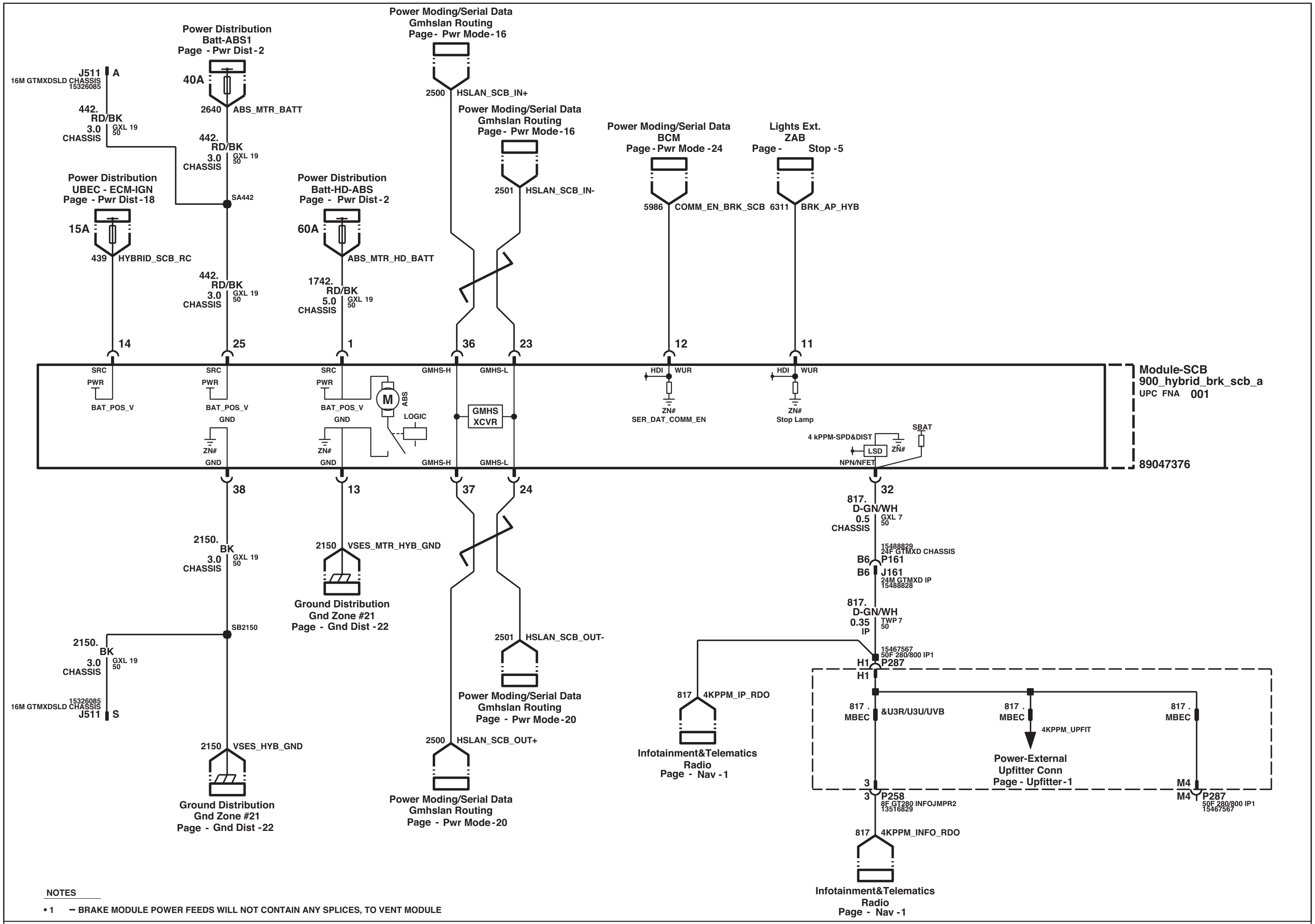
Thursday, July 13, 2006
7:13:27 am 2
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System-Heavy duty

1_08_brk_vses_hd Panel 4 of 4 Panel Set: 4 &JL4&SERIES20

2008
GMT900
IVER
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System – Hybrid


Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-16
Power Distribution
Batt-ABS1
Page - Pwr Dist-2
J511 A
16M GTMXDSLD CHASSIS 15326085
40A
2500 HSLAN_SCB_IN+
2640 ABS_MTR_BATT
442. RD/BK 3.0 CHASSIS GXL 19 50
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-16
Power Moding/Serial Data
BCM
Page - Pwr Mode-24
Lights Ext.
ZAB
Page - Stop-5
Power Distribution
UBEC - ECM-IGN
Page - Pwr Dist-18
Power Distribution
Batt-HD-ABS
Page - Pwr Dist-2
SA442
2501 HSLAN_SCB_IN-
5986 COMM_EN_BRK_SCB
6311 BRK_AP_HYB
15A
60A
439 HYBRID_SCB_RC
ABS_MTR_HD_BATT
1742. RD/BK 5.0 CHASSIS GXL 19 50
14 25 1 36 23 12 11
SRC PWR BAT_POS_V
GND ZN#
M ABS LOGIC
GMHS-H GMHS-L
GMHS XCVR
HDI WUR
ZN# SER_DAT_COMM_EN
ZN# Stop Lamp
4 kPPM-SPD&DIST
LSD
SBAT
NPN/NFET
Module-SCB
900_hybrid_brk_scb_a
UPC FNA 001
89047376
38 13 37 24 32
817. D-GN/WH 0.5 CHASSIS GXL 7 50
15488829 24F GTMXD CHASSIS
B6 P161
B6 J161 24M GTMXD IP 15488828
2150. BK 3.0 CHASSIS GXL 19 50
2150 VSES_MTR_HYB_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist-22
817. D-GN/WH 0.35 IP TWP 7 50
SB2150
2501 HSLAN_SCB_OUT-
15467567 50F 280/800 IP1
H1 P287
H1
15326085 16M GTMXDSLD CHASSIS J511 S
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-20
817 4KPPM_IP_RDO
817. MBEC &U3R/U3U/UVB
4KPPM_UPFIT
2150 VSES_HYB_GND
2500 HSLAN_SCB_OUT+
Infotainment&Telematics
Radio
Page - Nav-1
Power-External
Upfitter Conn
Page - Upfitter-1
3 P258 8F GT280 INFOJMPR2 13516829
M4 P287 50F 280/800 IP1 15467567
Ground Distribution
Gnd Zone #21
Page - Gnd Dist-22
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-20
817 4KPPM_INFO_RDO
Infotainment&Telematics
Radio
Page - Nav-1

NOTES

• 1 – BRAKE MODULE POWER FEEDS WILL NOT CONTAIN ANY SPLICES, TO VENT MODULE

ARE82058
001
GMT900
GM Proprietary

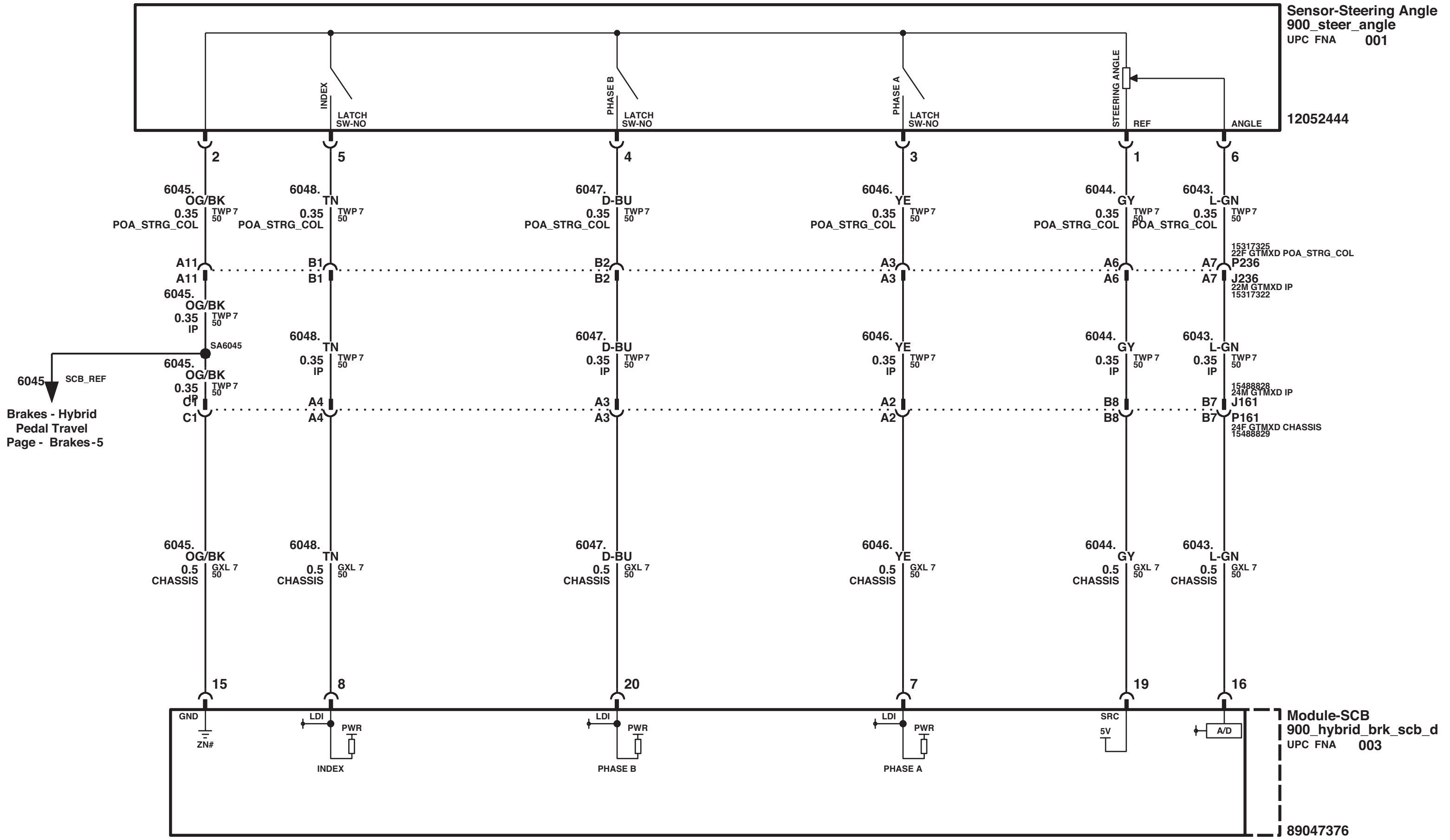
Tuesday, August 8, 2006
7:13:48 am 18
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses_hybrid Panel 1 of 5 Panel Set: 1 &HP2

0
GMT900
:::D
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System – Hybrid


Sensor-Steering Angle
900_steer_angle
UPC FNA 001
12052444
INDEX
LATCH SW-NO
PHASE B
LATCH SW-NO
PHASE A
LATCH SW-NO
STEERING ANGLE
REF
ANGLE
2
5
4
3
1
6
6045. OG/BK 0.35 TWP 7 50 POA_STRG_COL
6048. TN 0.35 TWP 7 50 POA_STRG_COL
6047. D-BU 0.35 TWP 7 50 POA_STRG_COL
6046. YE 0.35 TWP 7 50 POA_STRG_COL
6044. GY 0.35 TWP 7 50 POA_STRG_COL
6043. L-GN 0.35 TWP 7 50 POA_STRG_COL
A11 A11
B1 B1
B2 B2
A3 A3
A6 A6
A7 A7
15317325
22F GTMXD POA_STRG_COL
P236
J236
22M GTMXD IP
15317322
6045. OG/BK 0.35 TWP 7 50 IP
SA6045
6045 SCB_REF
Brakes - Hybrid
Pedal Travel
Page - Brakes-5
6045. OG/BK 0.35 TWP 7 50 IP
6048. TN 0.35 TWP 7 50 IP
6047. D-BU 0.35 TWP 7 50 IP
6046. YE 0.35 TWP 7 50 IP
6044. GY 0.35 TWP 7 50 IP
6043. L-GN 0.35 TWP 7 50 IP
15488828
24M GTMXD IP
C1 C1
A4 A4
A3 A3
A2 A2
B8 B8
B7 B7
J161
P161
24F GTMXD CHASSIS
15488829
6045. OG/BK 0.5 GXL 7 50 CHASSIS
6048. TN 0.5 GXL 7 50 CHASSIS
6047. D-BU 0.5 GXL 7 50 CHASSIS
6046. YE 0.5 GXL 7 50 CHASSIS
6044. GY 0.5 GXL 7 50 CHASSIS
6043. L-GN 0.5 GXL 7 50 CHASSIS
15
8
20
7
19
16
GND
ZN#
LDI
PWR
INDEX
LDI
PWR
PHASE B
LDI
PWR
PHASE A
SRC
5V
A/D
Module-SCB
900_hybrid_brk_scb_d
UPC FNA 003
89047376

NOTES

- 1 – SAS MAY BE SUPPLIER INTEGRATED
- 2 – SAS REQUIRED WITH VSES,EVO/MSVA, RTD, OR 4WS

ARE82058
001
GMT900
GM Proprietary

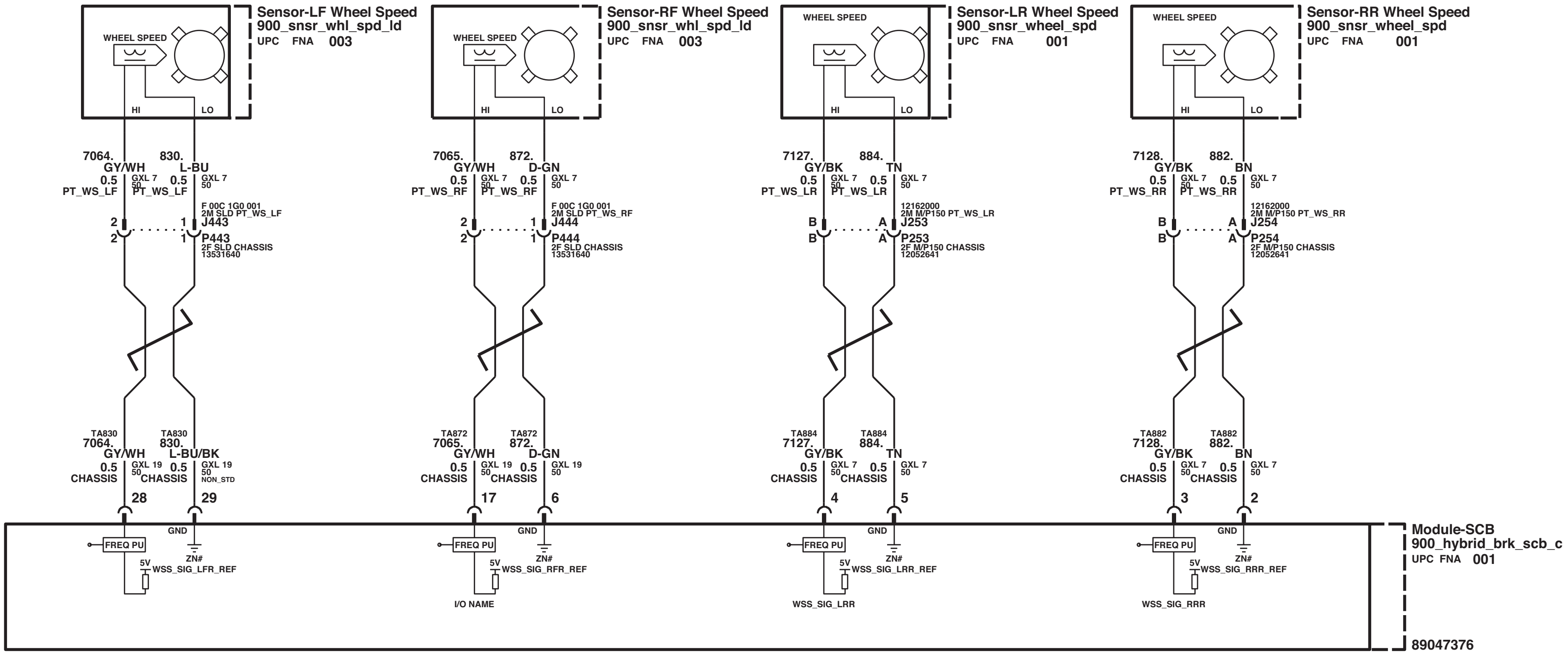
Tuesday, August 8, 2006
7:13:48 am 18
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses_hybrid Panel 2 of 5 Panel Set: 2 &HP2

0
GMT900
:::D
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System – Hybrid


WHEEL SPEED
HI
LO
Sensor-LF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 003
7064.
GY/WH
0.5
GXL 7
50
PT_WS_LF
830.
L-BU
0.5
GXL 7
50
PT_WS_LF
F 00C 1G0 001
2M SLD PT_WS_LF
2
1
J443
2
1
P443
2F SLD CHASSIS
13531640
WHEEL SPEED
HI
LO
Sensor-RF Wheel Speed
900_snsr_whl_spd_ld
UPC FNA 003
7065.
GY/WH
0.5
GXL 7
50
PT_WS_RF
872.
D-GN
0.5
GXL 7
50
PT_WS_RF
F 00C 1G0 001
2M SLD PT_WS_RF
2
1
J444
2
1
P444
2F SLD CHASSIS
13531640
WHEEL SPEED
HI
LO
Sensor-LR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
7127.
GY/BK
0.5
GXL 7
50
PT_WS_LR
884.
TN
0.5
GXL 7
50
PT_WS_LR
12162000
2M M/P150 PT_WS_LR
B
A
J253
B
A
P253
2F M/P150 CHASSIS
12052641
WHEEL SPEED
HI
LO
Sensor-RR Wheel Speed
900_snsr_wheel_spd
UPC FNA 001
7128.
GY/BK
0.5
GXL 7
50
PT_WS_RR
882.
BN
0.5
GXL 7
50
PT_WS_RR
12162000
2M M/P150 PT_WS_RR
B
A
J254
B
A
P254
2F M/P150 CHASSIS
12052641
TA830
7064.
GY/WH
0.5
GXL 19
50
CHASSIS
TA830
830.
L-BU/BK
0.5
GXL 19
50
NON_STD
CHASSIS
28
29
TA872
7065.
GY/WH
0.5
GXL 19
50
CHASSIS
TA872
872.
D-GN
0.5
GXL 19
50
CHASSIS
17
6
TA884
7127.
GY/BK
0.5
GXL 7
50
CHASSIS
TA884
884.
TN
0.5
GXL 7
50
CHASSIS
4
5
TA882
7128.
GY/BK
0.5
GXL 7
50
CHASSIS
TA882
882.
BN
0.5
GXL 7
50
CHASSIS
3
2
GND
FREQ PU
5V
ZN#
WSS_SIG_LFR_REF
GND
FREQ PU
5V
ZN#
WSS_SIG_RFR_REF
I/O NAME
GND
FREQ PU
5V
ZN#
WSS_SIG_LRR_REF
WSS_SIG_LRR
GND
FREQ PU
5V
ZN#
WSS_SIG_RRR_REF
WSS_SIG_RRR
Module-SCB
900_hybrid_brk_scb_c
UPC FNA 001
89047376

ARE82058
001
GMT900
GM Proprietary

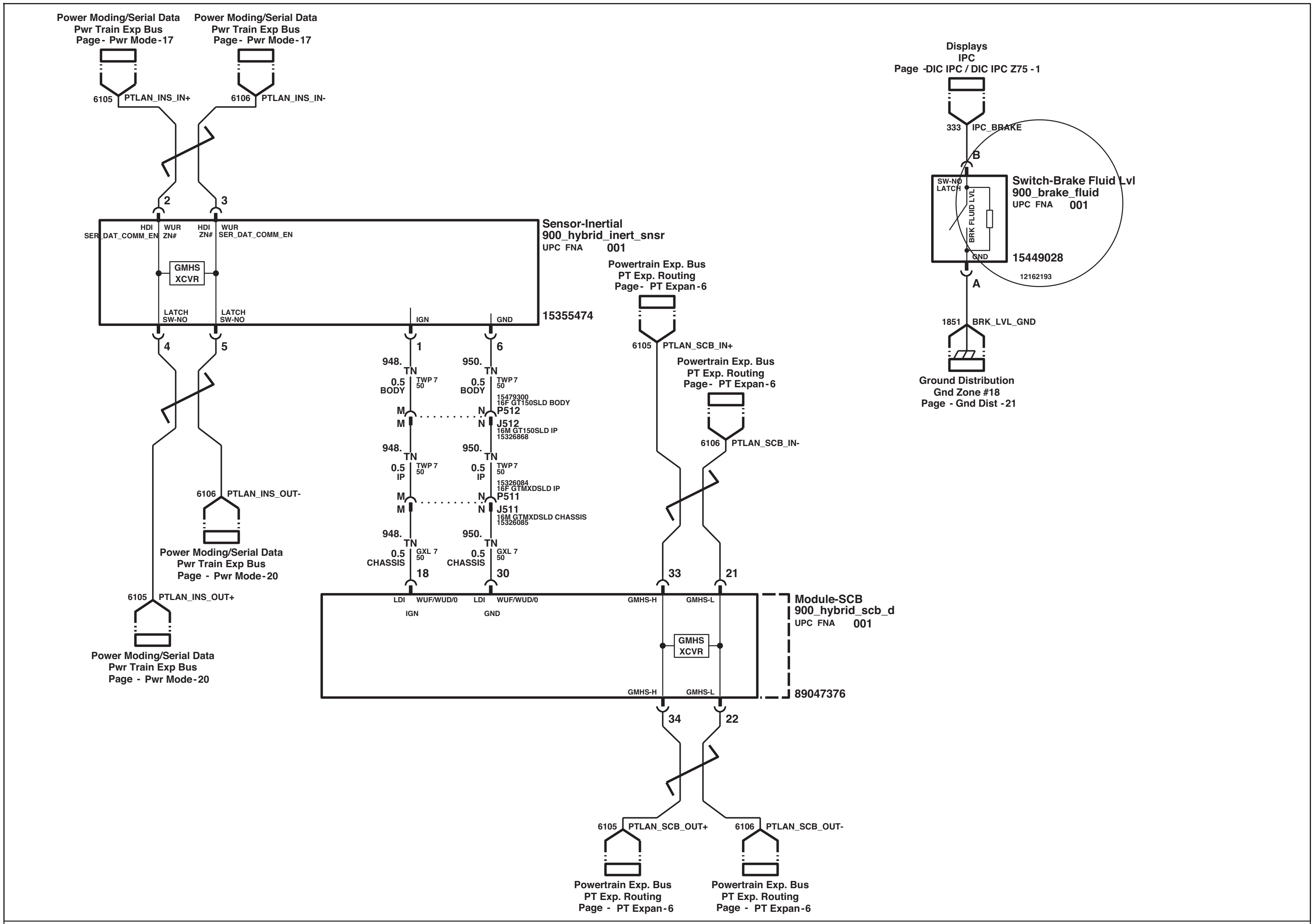
Tuesday, August 8, 2006
7:13:48 am 18
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses_hybrid Panel 3 of 5 Panel Set: 3 &HP2

0
GMT900
:::D
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System – Hybrid


Power Moding/Serial Data
Pwr Train Exp Bus
Page- Pwr Mode-17
6105 PTLAN_INS_IN+
Power Moding/Serial Data
Pwr Train Exp Bus
Page- Pwr Mode-17
6106 PTLAN_INS_IN-
2
3
HDI
WUR
SER_DAT_COMM_EN
ZN#
HDI
ZN#
WUR
SER_DAT_COMM_EN
GMHS
XCVR
LATCH
SW-NO
LATCH
SW-NO
IGN
GND
Sensor-Inertial
900_hybrid_inert_snsr
UPC FNA 001
15355474
4
5
1
6
948.
TN
0.5
BODY
TWP 7
50
950.
TN
0.5
BODY
TWP 7
50
15479300
16F GT150SLD BODY
M
N
P512
M
N
J512
16M GT150SLD IP
15326868
948.
TN
0.5
IP
TWP 7
50
950.
TN
0.5
IP
TWP 7
50
15326084
16F GTMXDSLD IP
M
N
P511
M
N
J511
16M GTMXDSLD CHASSIS
15326085
948.
TN
0.5
CHASSIS
GXL 7
50
950.
TN
0.5
CHASSIS
GXL 7
50
18
30
6106 PTLAN_INS_OUT-
Power Moding/Serial Data
Pwr Train Exp Bus
Page - Pwr Mode-20
6105 PTLAN_INS_OUT+
Power Moding/Serial Data
Pwr Train Exp Bus
Page - Pwr Mode-20
Powertrain Exp. Bus
PT Exp. Routing
Page- PT Expan-6
6105 PTLAN_SCB_IN+
Powertrain Exp. Bus
PT Exp. Routing
Page- PT Expan-6
6106 PTLAN_SCB_IN-
33
21
LDI
WUF/WUD/0
IGN
LDI
WUF/WUD/0
GND
GMHS-H
GMHS-L
GMHS
XCVR
GMHS-H
GMHS-L
Module-SCB
900_hybrid_scb_d
UPC FNA 001
89047376
34
22
6105 PTLAN_SCB_OUT+
6106 PTLAN_SCB_OUT-
Powertrain Exp. Bus
PT Exp. Routing
Page - PT Expan-6
Powertrain Exp. Bus
PT Exp. Routing
Page - PT Expan-6
Displays
IPC
Page -DIC IPC / DIC IPC Z75 - 1
333 IPC_BRAKE
B
SW-NO
LATCH
BRK FLUID LVL
GND
Switch-Brake Fluid Lvl
900_brake_fluid
UPC FNA 001
15449028
12162193
A
1851 BRK_LVL_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 21

ARE82058
001
GMT900
GM Proprietary

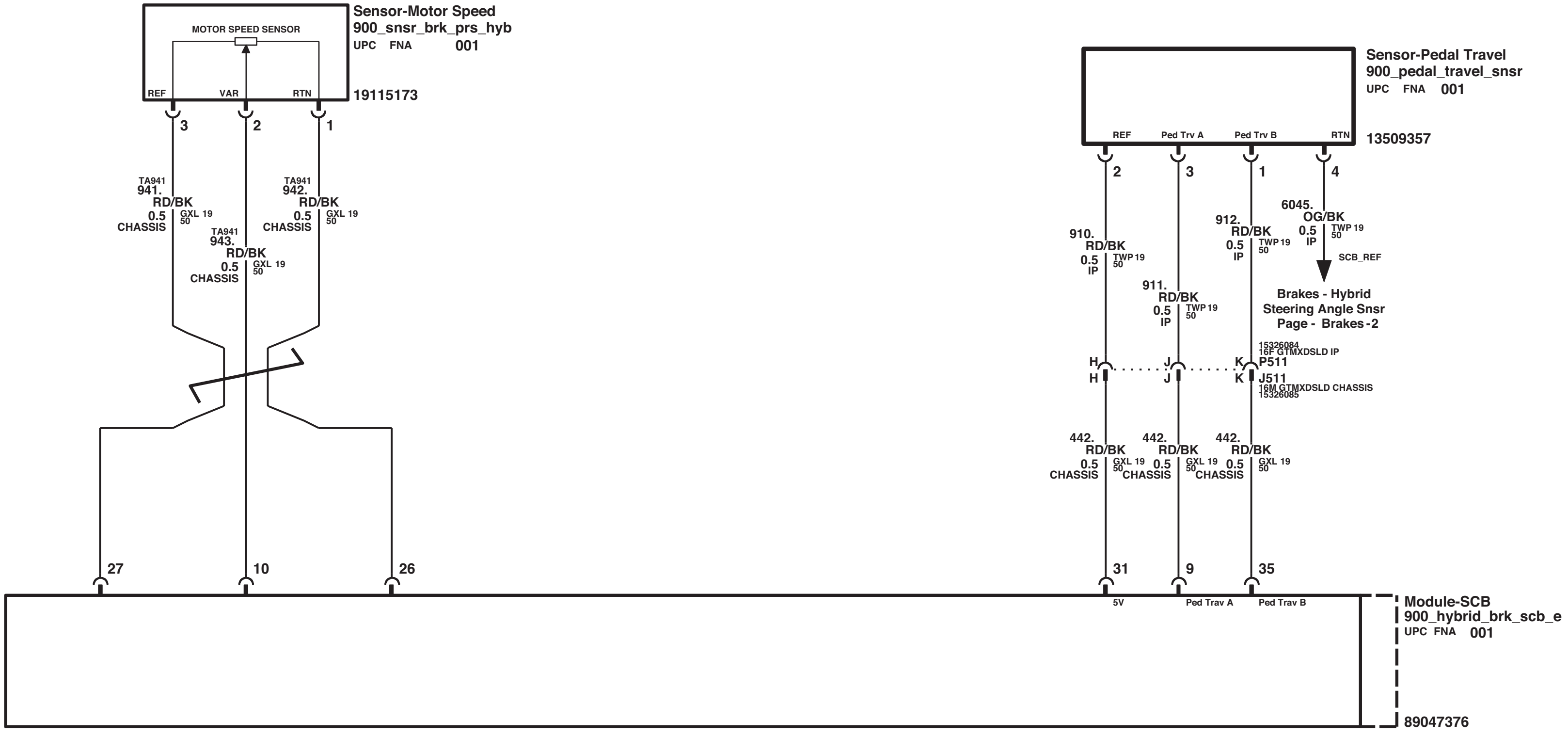
Tuesday, August 8, 2006
7:13:48 am 18
IEC/ESI

Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses_hybrid Panel 4 of 5 Panel Set: 4 &HP2

0
GMT900
:::D
System Status: Object Status:

Brakes/Vehicle Speed: Vehicle Stability Enhancement System – Hybrid


MOTOR SPEED SENSOR
Sensor-Motor Speed
900_snsr_brk_prs_hyb
UPC FNA 001
REF
VAR
RTN
19115173
3
2
1
TA941
941.
RD/BK
0.5
GXL 19
50
CHASSIS
TA941
942.
RD/BK
0.5
GXL 19
50
CHASSIS
TA941
943.
RD/BK
0.5
GXL 19
50
CHASSIS
27
10
26
Sensor-Pedal Travel
900_pedal_travel_snsr
UPC FNA 001
REF
Ped Trv A
Ped Trv B
RTN
13509357
2
3
1
4
910.
RD/BK
0.5
TWP 19
50
IP
911.
RD/BK
0.5
TWP 19
50
IP
912.
RD/BK
0.5
TWP 19
50
IP
6045.
OG/BK
0.5
TWP 19
50
IP
SCB_REF
Brakes - Hybrid
Steering Angle Snsr
Page - Brakes-2
15326084
16F GTMXDSLD IP
H
J
K
P511
H
J
K
J511
16M GTMXDSLD CHASSIS
15326085
442.
RD/BK
0.5
GXL 19
50
CHASSIS
442.
RD/BK
0.5
GXL 19
50
CHASSIS
442.
RD/BK
0.5
GXL 19
50
CHASSIS
31
9
35
5V
Ped Trav A
Ped Trav B
Module-SCB
900_hybrid_brk_scb_e
UPC FNA 001
89047376

ARE82058
001
GMT900
GM Proprietary

Tuesday, August 8, 2006
7:13:48 am 18
IEC/ESI

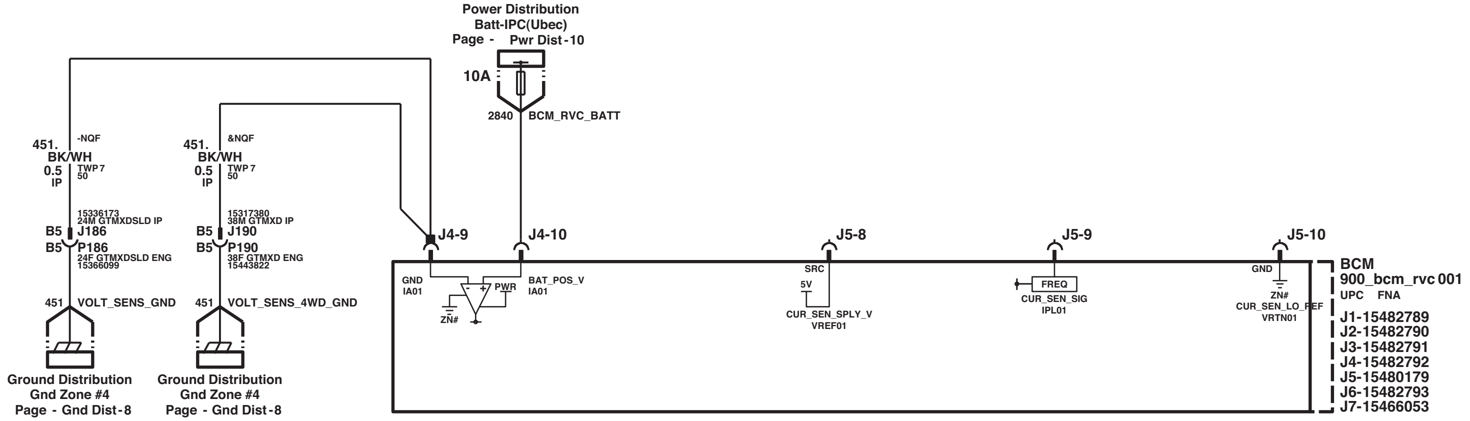
Brakes/Veh. Speed: Vehicle Stability Enhancement System

1_08_brk_vses_hybrid Panel 5 of 5

&HP2

0
GMT900
:::D
System Status: Object Status:

Charging: Base – Diesel


Power Distribution
Batt-IPC(Ubec)
Page - Pwr Dist-10
10A
2840 BCM_RVC_BATT
451.
-NQF
BK/WH
0.5
TWP 7
50
IP
15336173
24M GTMXDSLD IP
B5 J186
B5 P186
24F GTMXDSLD ENG
15366099
451 VOLT_SENS_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
451.
&NQF
BK/WH
0.5
TWP 7
50
IP
15317380
38M GTMXD IP
B5 J190
B5 P190
38F GTMXD ENG
15443822
451 VOLT_SENS_4WD_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
J4-9
J4-10
GND
IA01
ZN#
PWR
BAT_POS_V
IA01
J5-8
SRC
5V
CUR_SEN_SPLY_V
VREF01
J5-9
FREQ
CUR_SEN_SIG
IPL01
J5-10
GND
ZN#
CUR_SEN_LO_REF
VRTN01
BCM
900_bcm_rvc 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

ARE16359
003
GMT900
GM Proprietary

Tuesday, September 19, 2006
8:45:10 am 3
IEC/ESI

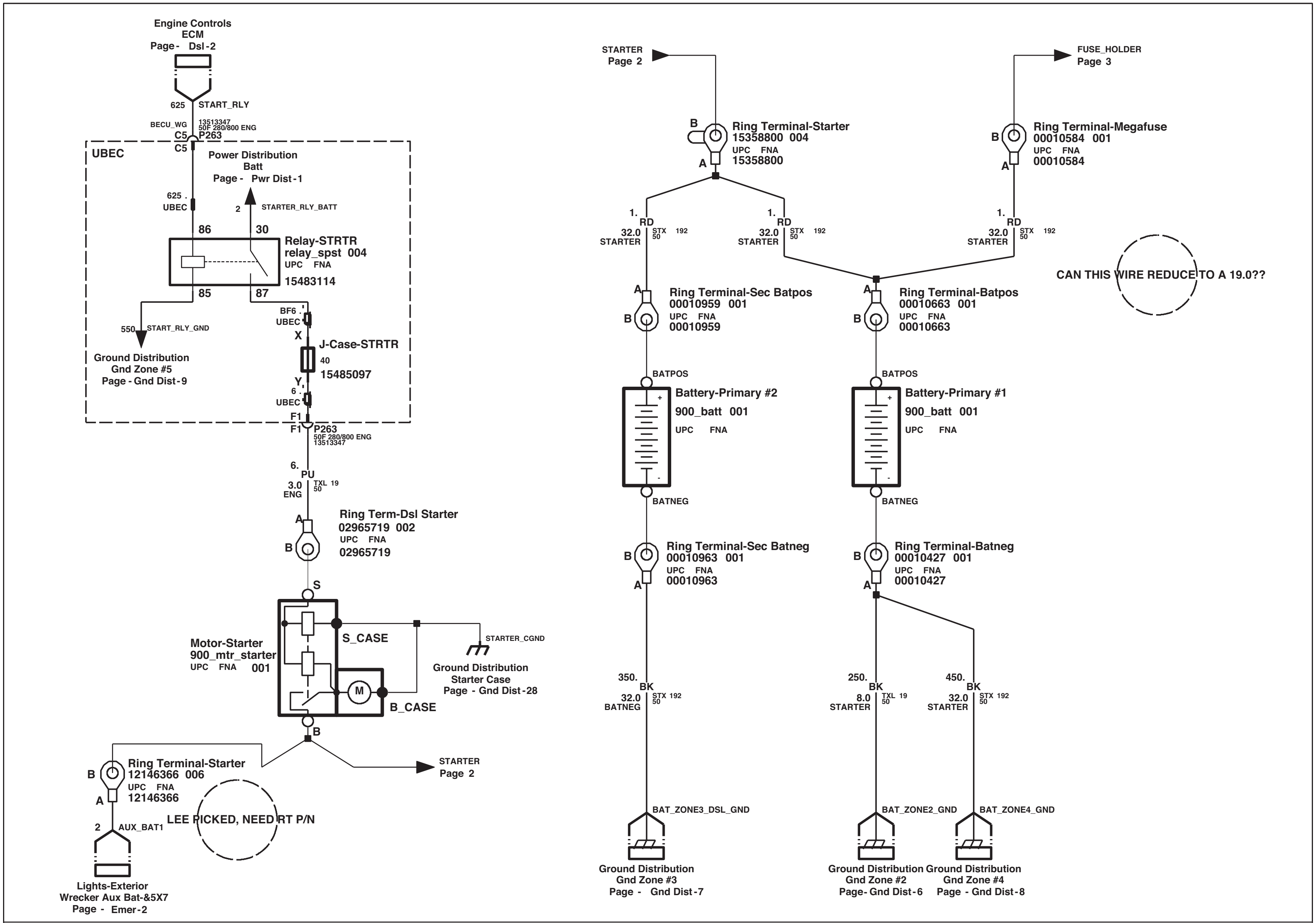
Charging: Base - Diesel

1_08_charg_base_dsl Panel 1 of 3

&LMM

0
GMT900
IVER
System Status: Object Status:

Charging: Base – Diesel


Engine Controls
ECM
Page - Dsl - 2
625 START_RLY
BECU_WG 13513347
50F 280/800 ENG
C5 P263
C5
UBEC
Power Distribution
Batt
Page - Pwr Dist - 1
625 .
UBEC
2 STARTER_RLY_BATT
86
30
Relay-STRTR
relay_spst 004
UPC FNA
15483114
85
87
550 START_RLY_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9
BF6 .
UBEC
X
J-Case-STRTR
40
15485097
Y
6 .
UBEC
F1
F1 P263
50F 280/800 ENG
13513347
6.
PU
3.0 TXL 19
ENG 50
Ring Term-Dsl Starter
02965719 002
UPC FNA
02965719
A
B
S
S_CASE
Motor-Starter
900_mtr_starter
UPC FNA 001
M
B_CASE
B
STARTER_CGND
Ground Distribution
Starter Case
Page - Gnd Dist - 28
STARTER
Page 2
Ring Terminal-Starter
12146366 006
UPC FNA
12146366
2 AUX_BAT1
LEE PICKED, NEED RT P/N
Lights-Exterior
Wrecker Aux Bat-&5X7
Page - Emer - 2
STARTER
Page 2
Ring Terminal-Starter
15358800 004
UPC FNA
15358800
FUSE_HOLDER
Page 3
Ring Terminal-Megafuse
00010584 001
UPC FNA
00010584
1.
RD
32.0 STX 192
STARTER 50
CAN THIS WIRE REDUCE TO A 19.0??
Ring Terminal-Sec Batpos
00010959 001
UPC FNA
00010959
Ring Terminal-Batpos
00010663 001
UPC FNA
00010663
BATPOS
Battery-Primary #2
900_batt 001
UPC FNA
Battery-Primary #1
900_batt 001
UPC FNA
BATNEG
Ring Terminal-Sec Batneg
00010963 001
UPC FNA
00010963
Ring Terminal-Batneg
00010427 001
UPC FNA
00010427
350.
BK
32.0 STX 192
BATNEG 50
250.
BK
8.0 TXL 19
STARTER 50
450.
BK
32.0 STX 192
STARTER 50
BAT_ZONE3_DSL_GND
BAT_ZONE2_GND
BAT_ZONE4_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist - 7
Ground Distribution
Gnd Zone #2
Page- Gnd Dist - 6
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8

ARE16359
003
GMT900
GM Proprietary

Tuesday, September 19, 2006
8:45:10 am 3
IEC/ESI

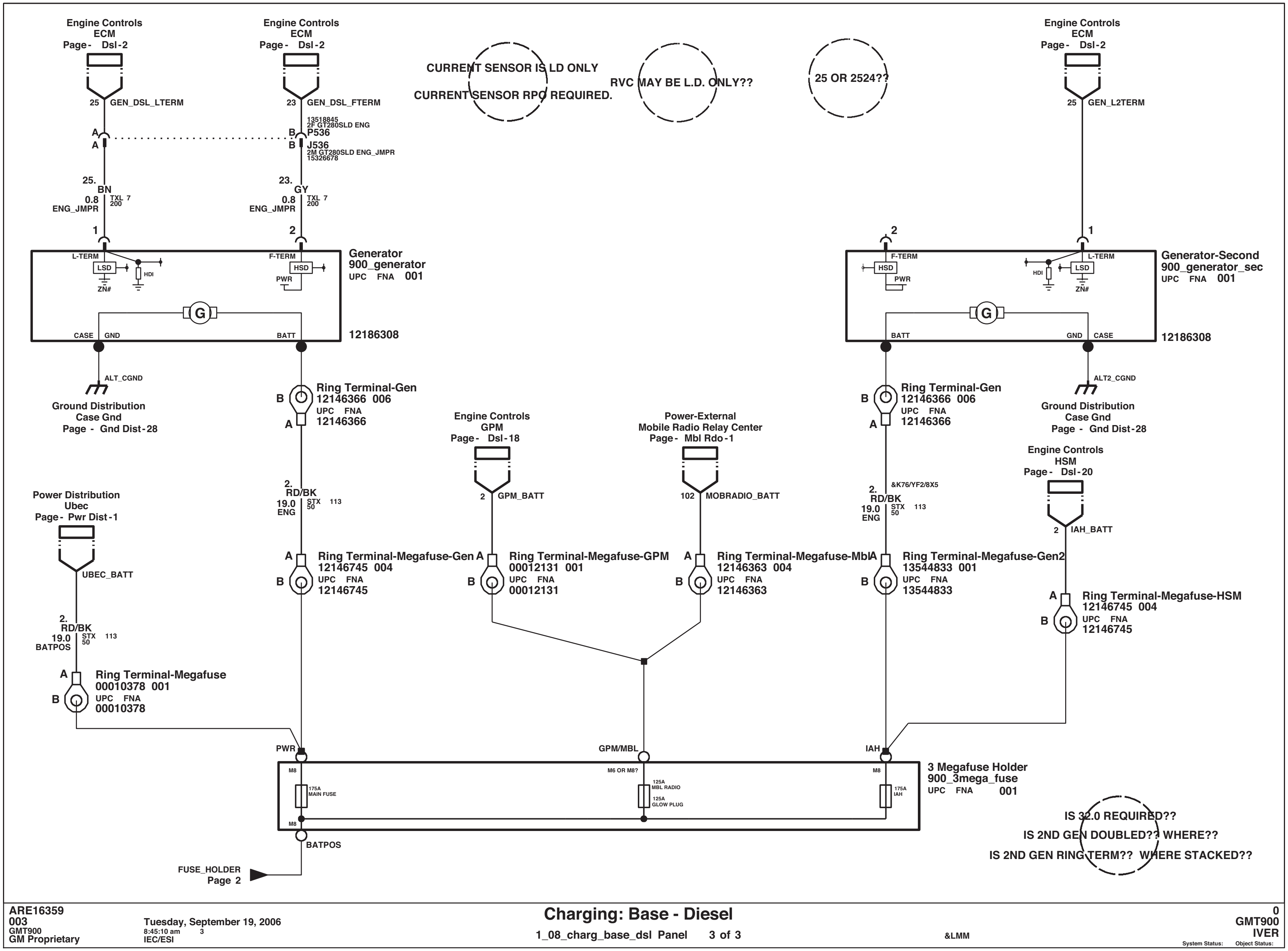
Charging: Base - Diesel

1_08_charg_base_dsl Panel 2 of 3

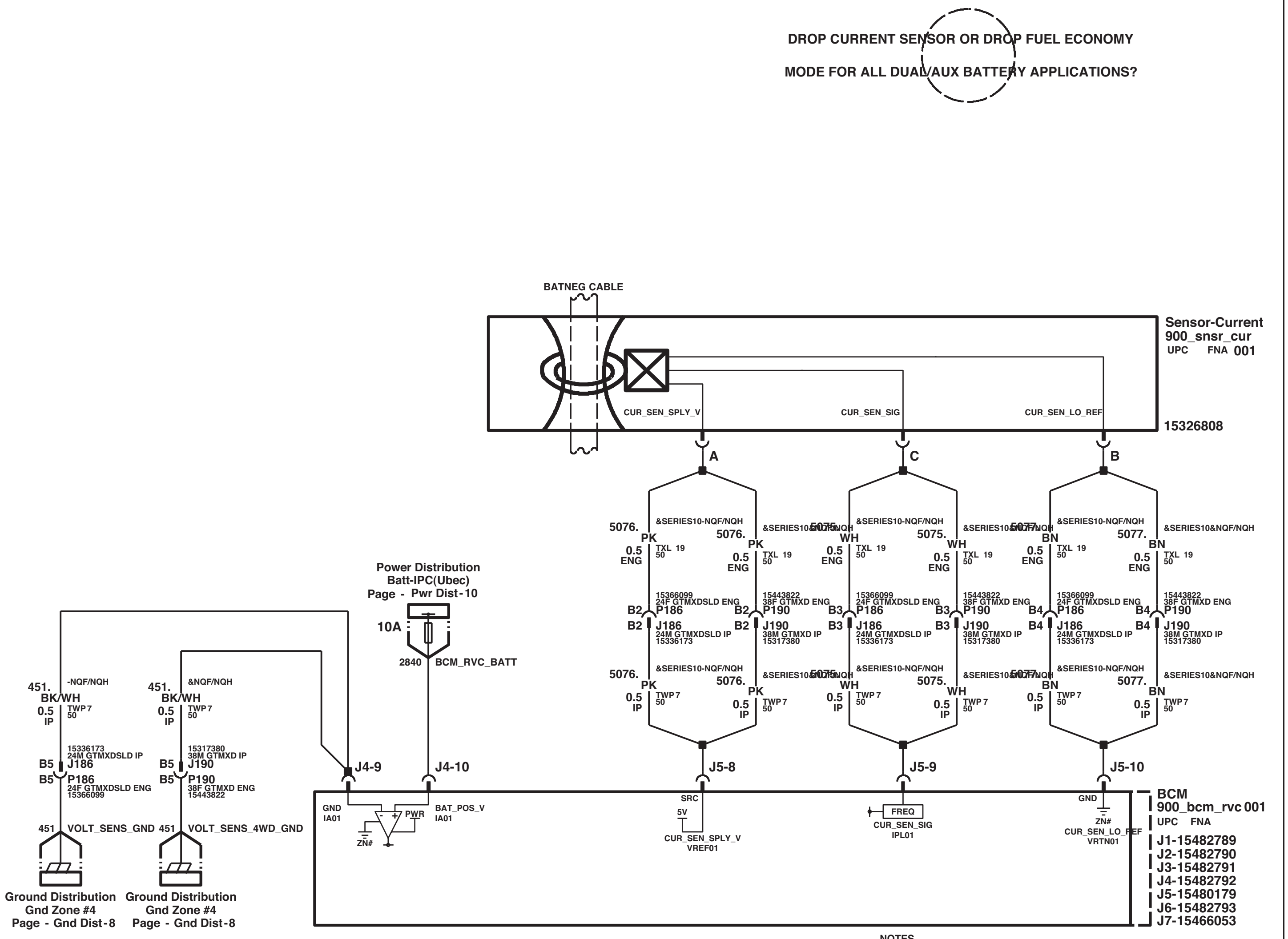
&LMM

0
GMT900
IVER
System Status: Object Status:

Charging: Base – Diesel


Engine Controls
ECM
Page - Dsl-2
25 GEN_DSL_LTERM
Engine Controls
ECM
Page - Dsl-2
23 GEN_DSL_FTERM
13518845
2F GT280SLD ENG
P536
J536
2M GT280SLD ENG_JMPR
15326678
CURRENT SENSOR IS LD ONLY
CURRENT SENSOR RPO REQUIRED.
RVC MAY BE L.D. ONLY??
25 OR 2524??
Engine Controls
ECM
Page - Dsl-2
25 GEN_L2TERM
25.
BN
0.8 TXL 7 200
ENG_JMPR
23.
GY
0.8 TXL 7 200
ENG_JMPR
L-TERM
LSD
HDI
ZN#
F-TERM
HSD
PWR
Generator
900_generator
UPC FNA 001
CASE GND
BATT
12186308
F-TERM
HSD
PWR
HDI
LSD
L-TERM
ZN#
Generator-Second
900_generator_sec
UPC FNA 001
BATT
GND CASE
12186308
ALT_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-28
Ring Terminal-Gen
12146366 006
UPC FNA
12146366
Engine Controls
GPM
Page - Dsl-18
2 GPM_BATT
Power-External
Mobile Radio Relay Center
Page - Mbl Rdo-1
102 MOBRADIO_BATT
Ring Terminal-Gen
12146366 006
UPC FNA
12146366
ALT2_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-28
Engine Controls
HSM
Page - Dsl-20
2 IAH_BATT
Power Distribution
Ubec
Page - Pwr Dist-1
UBEC_BATT
2.
RD/BK
19.0 STX 113 50
ENG
&K76/YF2/8X5
2.
RD/BK
19.0 STX 113 50
ENG
Ring Terminal-Megafuse-Gen
12146745 004
UPC FNA
12146745
Ring Terminal-Megafuse-GPM
00012131 001
UPC FNA
00012131
Ring Terminal-Megafuse-Mbl
12146363 004
UPC FNA
12146363
Ring Terminal-Megafuse-Gen2
13544833 001
UPC FNA
13544833
Ring Terminal-Megafuse-HSM
12146745 004
UPC FNA
12146745
2.
RD/BK
19.0 STX 113 50
BATPOS
Ring Terminal-Megafuse
00010378 001
UPC FNA
00010378
PWR
GPM/MBL
IAH
M8
M6 OR M8?
M8
175A MAIN FUSE
125A MBL RADIO
125A GLOW PLUG
175A IAH
M8
3 Megafuse Holder
900_3mega_fuse
UPC FNA 001
BATPOS
FUSE_HOLDER
Page 2
IS 32.0 REQUIRED??
IS 2ND GEN DOUBLED?? WHERE??
IS 2ND GEN RING TERM?? WHERE STACKED??
ARE16359
003
GMT900
GM Proprietary
Tuesday, September 19, 2006
8:45:10 am 3
IEC/ESI
Charging: Base - Diesel
1_08_charg_base_dsl Panel 3 of 3
&LMM
0
GMT900
IVER
System Status: Object Status:

Charging: Base – Gas


DROP CURRENT SENSOR OR DROP FUEL ECONOMY
MODE FOR ALL DUAL/AUX BATTERY APPLICATIONS?
BATNEG CABLE
Sensor-Current
900_snsr_cur
UPC FNA 001
15326808
CUR_SEN_SPLY_V
CUR_SEN_SIG
CUR_SEN_LO_REF
A
C
B
5076.
PK
0.5
ENG
&SERIES10-NQF/NQH
TXL 19
50
5076.
PK
0.5
ENG
&SERIES10&NQF/NQH
TXL 19
50
15366099
24F GTMXDSLD ENG
B2
P186
B2
J186
24M GTMXDSLD IP
15336173
15443822
38F GTMXD ENG
B2
P190
B2
J190
38M GTMXD IP
15317380
5076.
PK
0.5
IP
TWP 7
50
5075.
WH
0.5
ENG
&SERIES10-NQF/NQH
TXL 19
50
5075.
WH
0.5
ENG
&SERIES10&NQF/NQH
B3
P186
B3
J186
B3
P190
B3
J190
5075.
WH
0.5
IP
TWP 7
50
5077.
BN
0.5
ENG
&SERIES10-NQF/NQH
TXL 19
50
5077.
BN
&SERIES10&NQF/NQH
B4
P186
B4
J186
B4
P190
B4
J190
5077.
BN
0.5
IP
TWP 7
50
J5-8
J5-9
J5-10
Power Distribution
Batt-IPC(Ubec)
Page - Pwr Dist-10
10A
2840
BCM_RVC_BATT
451.
BK/WH
-NQF/NQH
0.5
IP
TWP 7
50
15336173
24M GTMXDSLD IP
B5
J186
B5
P186
24F GTMXDSLD ENG
15366099
451
VOLT_SENS_GND
451.
BK/WH
&NQF/NQH
0.5
IP
TWP 7
50
15317380
38M GTMXD IP
B5
J190
B5
P190
38F GTMXD ENG
15443822
451
VOLT_SENS_4WD_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
J4-9
J4-10
GND
IA01
ZN#
PWR
BAT_POS_V
IA01
SRC
5V
CUR_SEN_SPLY_V
VREF01
FREQ
CUR_SEN_SIG
IPL01
GND
ZN#
CUR_SEN_LO_REF
VRTN01
BCM
900_bcm_rvc 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES

- 1 – VOLTAGE SENSE GND MUST BE A DOUBLE CRIMP AT THE RING TERMINAL

ARE16360
003
GMT900
GM Proprietary

Friday, November 3, 2006
2:35:41 pm 11
IEC/ESI

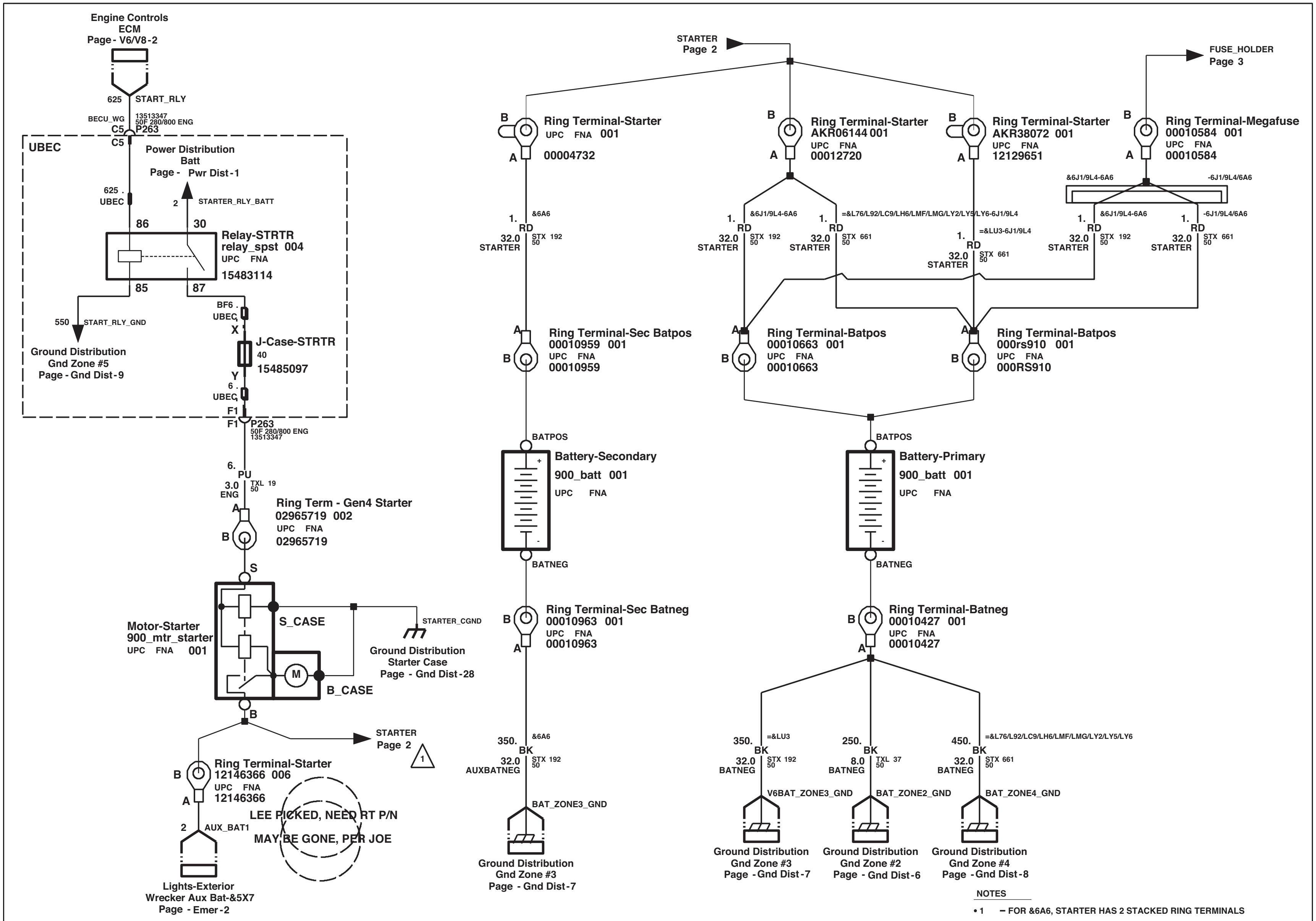
Charging: Base - Gas

1_08_charg_base_gas Panel 1 of 3

&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Charging: Base – Gas


Engine Controls
ECM
Page - V6/V8 - 2
625
START_RLY
BECU_WG
13513347
50F 280/800 ENG
C5
P263
C5
UBEC
Power Distribution
Batt
Page - Pwr Dist - 1
625 .
UBEC
2
STARTER_RLY_BATT
86
30
Relay-STRTR
relay_spst 004
UPC FNA
15483114
85
87
BF6 .
UBEC
X
550
START_RLY_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9
J-Case-STRTR
40
15485097
Y
6 .
UBEC
F1
F1
P263
50F 280/800 ENG
13513347
6.
PU
3.0
ENG
TXL 19
50
A
Ring Term - Gen4 Starter
02965719 002
UPC FNA
02965719
B
S
S_CASE
STARTER_CGND
Motor-Starter
900_mtr_starter
UPC FNA 001
Ground Distribution
Starter Case
Page - Gnd Dist - 28
M
B_CASE
B
STARTER
Page 2
1
B
Ring Terminal-Starter
12146366 006
UPC FNA
12146366
A
LEE PICKED, NEED RT P/N
MAY BE GONE, PER JOE
2
AUX_BAT1
Lights-Exterior
Wrecker Aux Bat-&5X7
Page - Emer - 2
STARTER
Page 2
FUSE_HOLDER
Page 3
B
Ring Terminal-Starter
UPC FNA 001
A
00004732
B
Ring Terminal-Starter
AKR06144 001
UPC FNA
A
00012720
B
Ring Terminal-Starter
AKR38072 001
UPC FNA
A
12129651
B
Ring Terminal-Megafuse
00010584 001
UPC FNA
A
00010584
&6J1/9L4-6A6
-6J1/9L4/6A6
1.
&6A6
RD
32.0
STARTER
STX 192
50
1.
&6J1/9L4-6A6
RD
32.0
STARTER
STX 192
50
1.
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6-6J1/9L4
RD
32.0
STARTER
STX 661
50
1.
=&LU3-6J1/9L4
RD
32.0
STARTER
STX 661
50
1.
&6J1/9L4-6A6
RD
32.0
STARTER
STX 192
50
1.
-6J1/9L4/6A6
RD
32.0
STARTER
STX 661
50
A
Ring Terminal-Sec Batpos
00010959 001
UPC FNA
00010959
B
A
Ring Terminal-Batpos
00010663 001
UPC FNA
00010663
B
A
Ring Terminal-Batpos
000rs910 001
UPC FNA
000RS910
B
BATPOS
Battery-Secondary
900_batt 001
UPC FNA
BATNEG
BATPOS
Battery-Primary
900_batt 001
UPC FNA
BATNEG
B
Ring Terminal-Sec Batneg
00010963 001
UPC FNA
00010963
A
B
Ring Terminal-Batneg
00010427 001
UPC FNA
00010427
A
350.
&6A6
BK
32.0
AUXBATNEG
STX 192
50
BAT_ZONE3_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist - 7
350.
=&LU3
BK
32.0
BATNEG
STX 192
50
V6BAT_ZONE3_GND
250.
BK
8.0
BATNEG
TXL 37
50
BAT_ZONE2_GND
450.
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6
BK
32.0
BATNEG
STX 661
50
BAT_ZONE4_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist - 7
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8

NOTES

- 1 – FOR &6A6, STARTER HAS 2 STACKED RING TERMINALS

ARE16360
003
GMT900
GM Proprietary

Friday, November 3, 2006
2:35:41 pm 11
IEC/ESI

Charging: Base - Gas

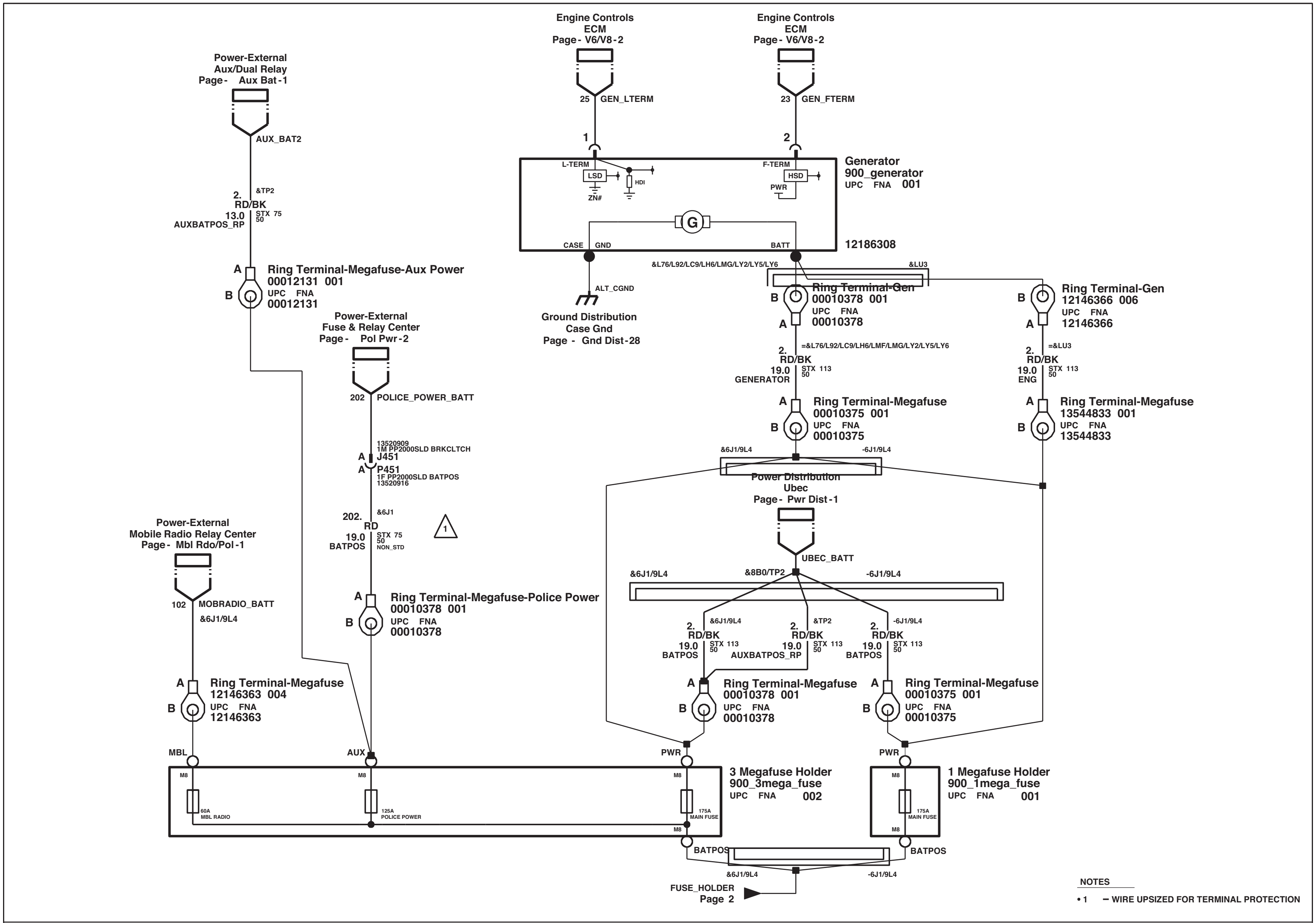
1_08_charg_base_gas Panel 2 of 3

&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6

2008
GMT900
IVER

System Status: Object Status:

Charging: Base – Gas


Engine Controls
ECM
Page - V6/V8 - 2
25 GEN_LTERM
Engine Controls
ECM
Page - V6/V8 - 2
23 GEN_FTERM
1
2
L-TERM
LSD
HDI
ZN#
F-TERM
HSD
PWR
G
CASE GND
BATT
Generator
900_generator
UPC FNA 001
12186308
Power-External
Aux/Dual Relay
Page - Aux Bat - 1
AUX_BAT2
&TP2
2.
RD/BK
13.0 STX 75 50
AUXBATPOS_RP
A
B
Ring Terminal-Megafuse-Aux Power
00012131 001
UPC FNA
00012131
&L76/L92/LC9/LH6/LMG/LY2/LY5/LY6
&LU3
ALT_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist - 28
B
A
Ring Terminal-Gen
00010378 001
UPC FNA
00010378
B
A
Ring Terminal-Gen
12146366 006
UPC FNA
12146366
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6
2.
RD/BK
19.0 STX 113 50
GENERATOR
=&LU3
2.
RD/BK
19.0 STX 113 50
ENG
A
B
Ring Terminal-Megafuse
00010375 001
UPC FNA
00010375
A
B
Ring Terminal-Megafuse
13544833 001
UPC FNA
13544833
Power-External
Fuse & Relay Center
Page - Pol Pwr - 2
202 POLICE_POWER_BATT
13520909
1M PP2000SLD BRKCLTCH
A J451
A P451
1F PP2000SLD BATPOS
13520916
202.
&6J1
RD
19.0 STX 75 50 NON_STD
BATPOS
1
&6J1/9L4
-6J1/9L4
Power Distribution
Ubec
Page - Pwr Dist - 1
UBEC_BATT
&6J1/9L4
&8B0/TP2
-6J1/9L4
Power-External
Mobile Radio Relay Center
Page - Mbl Rdo/Pol - 1
102 MOBRADIO_BATT
&6J1/9L4
A
B
Ring Terminal-Megafuse-Police Power
00010378 001
UPC FNA
00010378
&6J1/9L4
&TP2
-6J1/9L4
2.
RD/BK
19.0 STX 113 50
BATPOS
2.
RD/BK
19.0 STX 113 50
AUXBATPOS_RP
2.
RD/BK
19.0 STX 113 50
BATPOS
A
B
Ring Terminal-Megafuse
12146363 004
UPC FNA
12146363
A
B
Ring Terminal-Megafuse
00010378 001
UPC FNA
00010378
A
B
Ring Terminal-Megafuse
00010375 001
UPC FNA
00010375
MBL
AUX
PWR
PWR
M8
M8
M8
M8
M8
M8
60A
MBL RADIO
125A
POLICE POWER
175A
MAIN FUSE
175A
MAIN FUSE
3 Megafuse Holder
900_3mega_fuse
UPC FNA 002
1 Megafuse Holder
900_1mega_fuse
UPC FNA 001
BATPOS
BATPOS
&6J1/9L4
-6J1/9L4
FUSE_HOLDER
Page 2

NOTES

• 1 – WIRE UPSIZED FOR TERMINAL PROTECTION

ARE16360
003
GMT900
GM Proprietary

Friday, November 3, 2006
2:35:41 pm 11
IEC/ESI

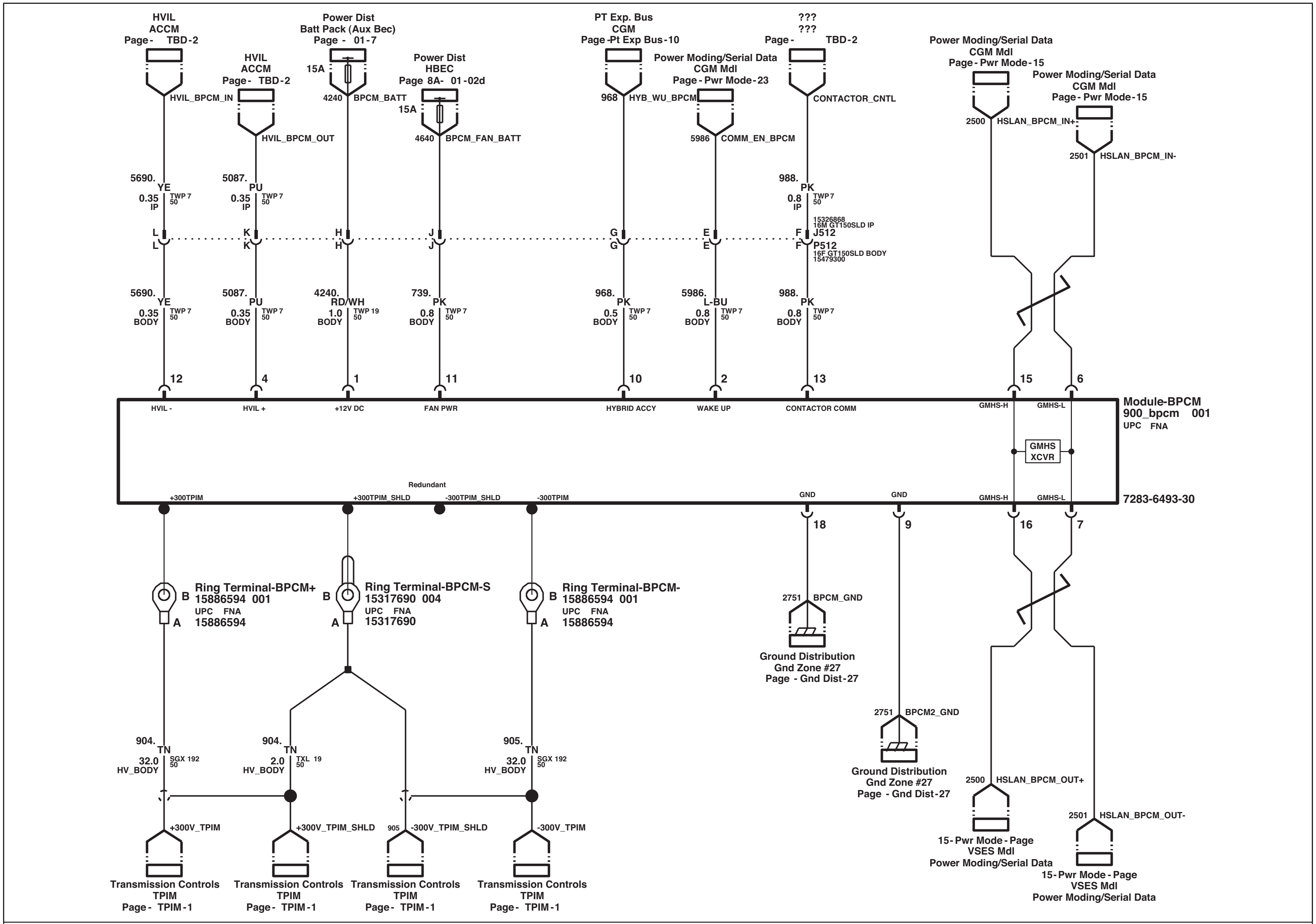
Charging: Base - Gas

1_08_charg_base_gas Panel 3 of 3

&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Hi-Voltage Controls-Hybrid


HVIL
ACCM
Page - TBD-2
HVIL_BPCM_IN
HVIL
ACCM
Page - TBD-2
HVIL_BPCM_OUT
Power Dist
Batt Pack (Aux Bec)
Page - 01-7
15A
4240 BPCM_BATT
Power Dist
HBEC
Page 8A- 01-02d
15A
4640 BPCM_FAN_BATT
PT Exp. Bus
CGM
Page -Pt Exp Bus-10
968 HYB_WU_BPCM
Power Moding/Serial Data
CGM Mdl
Page - Pwr Mode-23
5986 COMM_EN_BPCM
???
???
Page - TBD-2
CONTACTOR_CNTL
Power Moding/Serial Data
CGM Mdl
Page - Pwr Mode-15
2500 HSLAN_BPCM_IN+
Power Moding/Serial Data
CGM Mdl
Page - Pwr Mode-15
2501 HSLAN_BPCM_IN-
5690. YE 0.35 IP TWP 7 50
5087. PU 0.35 IP TWP 7 50
988. PK 0.8 IP TWP 7 50
L L K K H H J J G G E E F F
15326868 16M GT150SLD IP
J512
P512
16F GT150SLD BODY 15479300
5690. YE 0.35 BODY TWP 7 50
5087. PU 0.35 BODY TWP 7 50
4240. RD/WH 1.0 BODY TWP 19 50
739. PK 0.8 BODY TWP 7 50
968. PK 0.5 BODY TWP 7 50
5986. L-BU 0.8 BODY TWP 7 50
988. PK 0.8 BODY TWP 7 50
12 4 1 11 10 2 13 15 6
HVIL -
HVIL +
+12V DC
FAN PWR
HYBRID ACCY
WAKE UP
CONTACTOR COMM
GMHS-H
GMHS-L
Module-BPCM
900_bpcm 001
UPC FNA
GMHS XCVR
Redundant
+300TPIM
+300TPIM_SHLD
-300TPIM_SHLD
-300TPIM
GND
GND
GMHS-H
GMHS-L
7283-6493-30
18 9 16 7
Ring Terminal-BPCM+
15886594 001
UPC FNA
15886594
B A
Ring Terminal-BPCM-S
15317690 004
UPC FNA
15317690
B A
Ring Terminal-BPCM-
15886594 001
UPC FNA
15886594
B A
2751 BPCM_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist-27
2751 BPCM2_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist-27
904. TN 32.0 HV_BODY SGX 192 50
904. TN 2.0 HV_BODY TXL 19 50
905. TN 32.0 HV_BODY SGX 192 50
+300V_TPIM
+300V_TPIM_SHLD
905 -300V_TPIM_SHLD
-300V_TPIM
Transmission Controls
TPIM
Page - TPIM-1
Transmission Controls
TPIM
Page - TPIM-1
Transmission Controls
TPIM
Page - TPIM-1
Transmission Controls
TPIM
Page - TPIM-1
2500 HSLAN_BPCM_OUT+
15-Pwr Mode-Page
VSES Mdl
Power Moding/Serial Data
2501 HSLAN_BPCM_OUT-
15-Pwr Mode-Page
VSES Mdl
Power Moding/Serial Data

ARE82059
002
GMT900
GM Proprietary

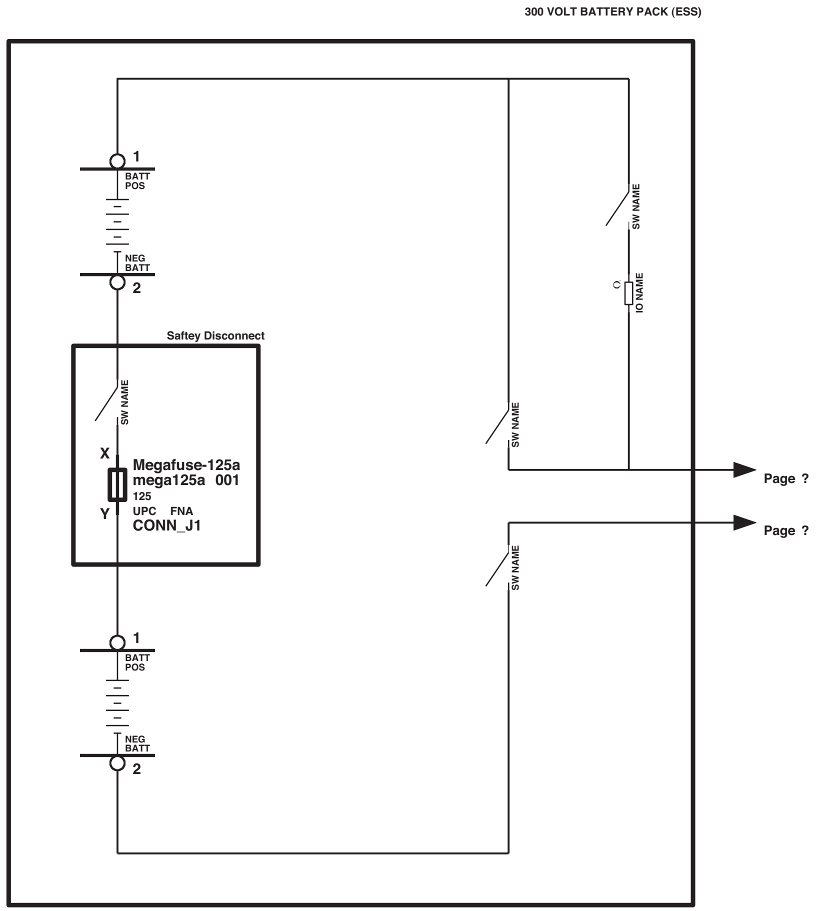
Wednesday, November 15, 2006
3:56:19 pm 3
IEC/ESI

Hi - Voltage Controls - Hybrid

1_08_charg_hv Panel 1 of 2 Panel Set: 1 &HP2

2008
GMT900
IVER
System Status: Object Status:

Hi-Voltage Controls-Hybrid


300 VOLT BATTERY PACK (ESS)
1
BATT POS
NEG BATT
2
Saftey Disconnect
SW NAME
X
Megafuse-125a
mega125a 001
125
UPC FNA
CONN_J1
Y
1
BATT POS
NEG BATT
2
SW NAME
IO NAME
SW NAME
SW NAME
Page ?
Page ?

ARE82059
002
GMT900
GM Proprietary

Wednesday, November 15, 2006
3:56:19 pm 3
IEC/ESI

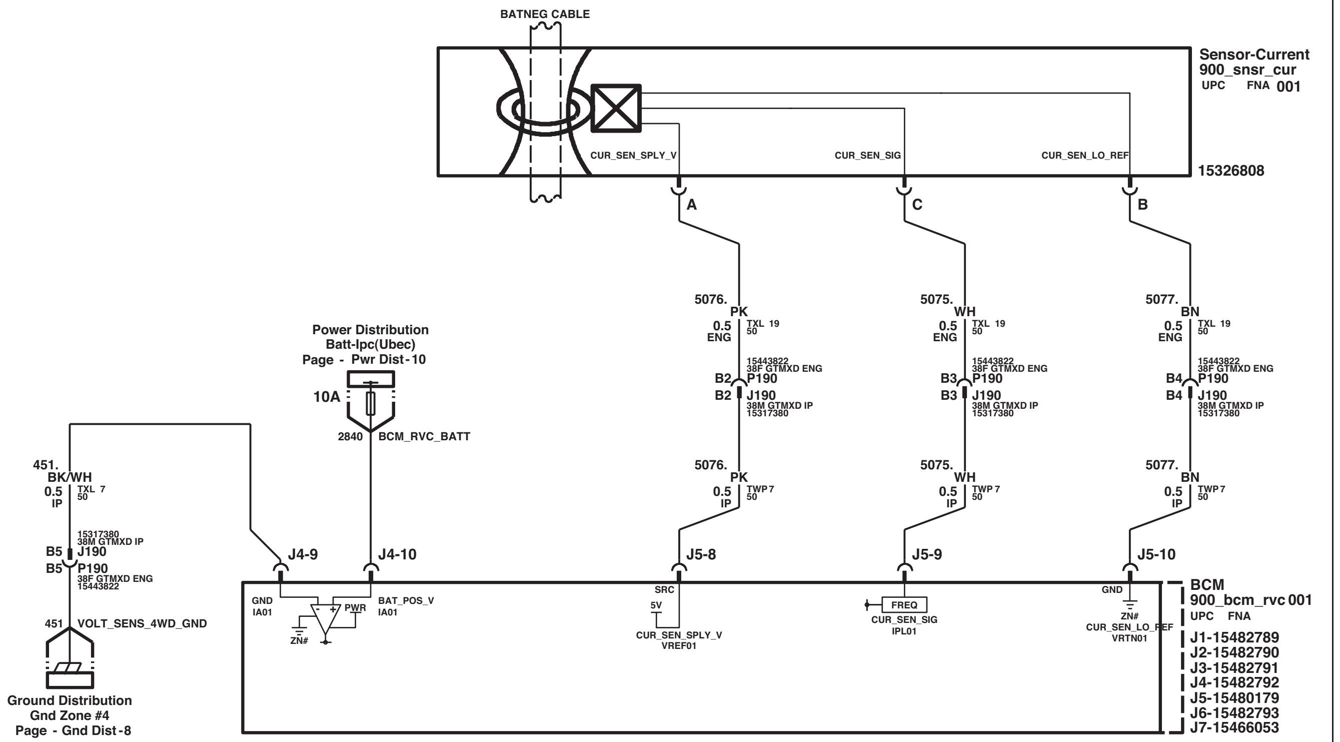
Hi - Voltage Controls - Hybrid

1_08_charg_hv Panel 2 of 2

&HP2

2008
GMT900
IVER
System Status: Object Status:

Charging: Hybrid


BATNEG CABLE
Sensor-Current
900_snsr_cur
UPC FNA 001
15326808
CUR_SEN_SPLY_V
CUR_SEN_SIG
CUR_SEN_LO_REF
A
C
B
5076.
PK
0.5
ENG
TXL 19
50
15443822
38F GTMXD ENG
B2 P190
B2 J190
38M GTMXD IP
15317380
5076.
PK
0.5
IP
TWP 7
50
5075.
WH
0.5
ENG
TXL 19
50
15443822
38F GTMXD ENG
B3 P190
B3 J190
38M GTMXD IP
15317380
5075.
WH
0.5
IP
TWP 7
50
5077.
BN
0.5
ENG
TXL 19
50
15443822
38F GTMXD ENG
B4 P190
B4 J190
38M GTMXD IP
15317380
5077.
BN
0.5
IP
TWP 7
50
Power Distribution
Batt-Ipc(Ubec)
Page - Pwr Dist-10
10A
2840 BCM_RVC_BATT
451.
BK/WH
0.5
IP
TXL 7
50
15317380
38M GTMXD IP
B5 J190
B5 P190
38F GTMXD ENG
15443822
451 VOLT_SENS_4WD_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
J4-9
J4-10
J5-8
J5-9
J5-10
GND
IA01
PWR
ZN#
BAT_POS_V
IA01
SRC
5V
CUR_SEN_SPLY_V
VREF01
FREQ
CUR_SEN_SIG
IPL01
GND
ZN#
CUR_SEN_LO_REF
VRTN01
BCM
900_bcm_rvc 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES

• 1 – VOLTAGE SENSE GND MUST BE A DOUBLE CRIMP AT THE RING TERMINAL

ARE82061
003
GMT900
GM Proprietary

Monday, October 23, 2006
10:35:48 am 8
IEC/ESI

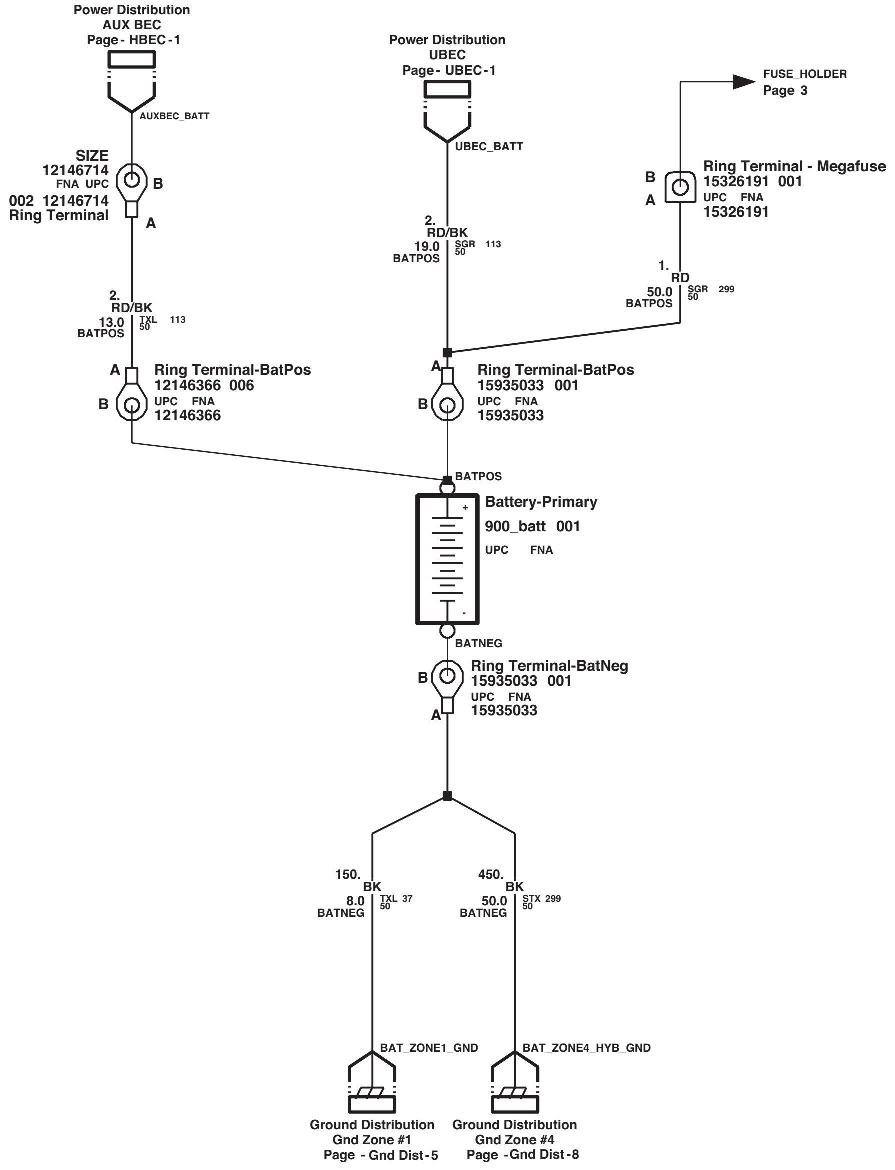
Charging: Hybrid

1_08_charg_hybrid Panel 1 of 3

&HP2

0
GMT900
IVER : IVER
System Status: Object Status:

Charging: Hybrid


Power Distribution
AUX BEC
Page - HBEC - 1
AUXBEC_BATT
SIZE
12146714
FNA UPC
B
002 12146714
Ring Terminal
A
2.
RD/BK
13.0
TXL 113
50
BATPOS
A
B
Ring Terminal-BatPos
12146366 006
UPC FNA
12146366
Power Distribution
UBEC
Page - UBEC - 1
UBEC_BATT
2.
RD/BK
19.0
SGR 113
50
BATPOS
A
B
Ring Terminal-BatPos
15935033 001
UPC FNA
15935033
FUSE_HOLDER
Page 3
B
A
Ring Terminal - Megafuse
15326191 001
UPC FNA
15326191
1.
RD
50.0
SGR 299
50
BATPOS
BATPOS
+
Battery-Primary
900_batt 001
UPC FNA
-
BATNEG
B
A
Ring Terminal-BatNeg
15935033 001
UPC FNA
15935033
150.
BK
8.0
TXL 37
50
BATNEG
450.
BK
50.0
STX 299
50
BATNEG
BAT_ZONE1_GND
BAT_ZONE4_HYB_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8

ARE82061
003
GMT900
GM Proprietary

Monday, October 23, 2006
10:35:48 am 8
IEC/ESI

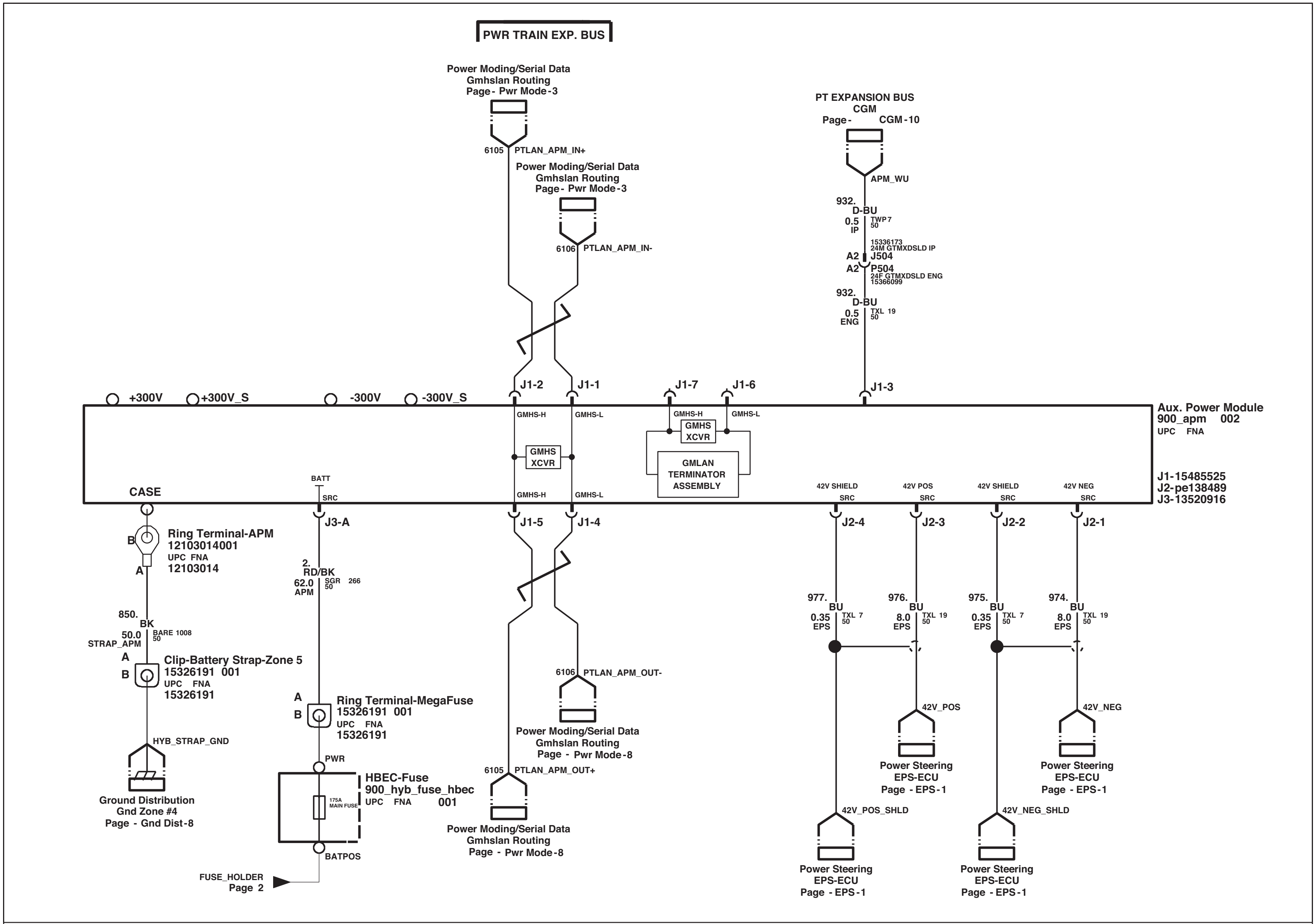
Charging: Hybrid

1_08_charg_hybrid Panel 2 of 3

&HP2

0
GMT900
IVER : IVER
System Status: Object Status:

Charging: Hybrid


PWR TRAIN EXP. BUS
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode - 3
6105 PTLAN_APM_IN+
6106 PTLAN_APM_IN-
PT EXPANSION BUS
CGM
Page - CGM - 10
APM_WU
932.
D-BU
0.5 IP
TWP 7 50
15336173
24M GTMXDSLD IP
A2 J504
A2 P504
24F GTMXDSLD ENG
15366099
932.
D-BU
0.5 ENG
TXL 19 50
J1-2
J1-1
J1-7
J1-6
J1-3
+300V
+300V_S
-300V
-300V_S
GMHS-H
GMHS-L
GMHS XCVR
GMLAN TERMINATOR ASSEMBLY
Aux. Power Module
900_apm 002
UPC FNA
J1-15485525
J2-pe138489
J3-13520916
CASE
BATT
SRC
42V SHIELD
42V POS
42V NEG
J3-A
J1-5
J1-4
J2-4
J2-3
J2-2
J2-1
B
A
Ring Terminal-APM
12103014001
UPC FNA
12103014
2.
RD/BK
62.0 APM
SGR 266 50
850.
BK
50.0 STRAP_APM
BARE 1008 50
Clip-Battery Strap-Zone 5
15326191 001
UPC FNA
15326191
Ring Terminal-MegaFuse
15326191 001
UPC FNA
15326191
HYB_STRAP_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8
PWR
HBEC-Fuse
900_hyb_fuse_hbec
UPC FNA 001
175A MAIN FUSE
BATPOS
FUSE_HOLDER
Page 2
6106 PTLAN_APM_OUT-
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode - 8
6105 PTLAN_APM_OUT+
977. BU 0.35 EPS TXL 7 50
976. BU 8.0 EPS TXL 19 50
975. BU 0.35 EPS TXL 7 50
974. BU 8.0 EPS TXL 19 50
42V_POS
42V_NEG
42V_POS_SHLD
42V_NEG_SHLD
Power Steering
EPS-ECU
Page - EPS - 1

ARE82061
003
GMT900
GM Proprietary

Monday, October 23, 2006
10:35:48 am 8
IEC/ESI

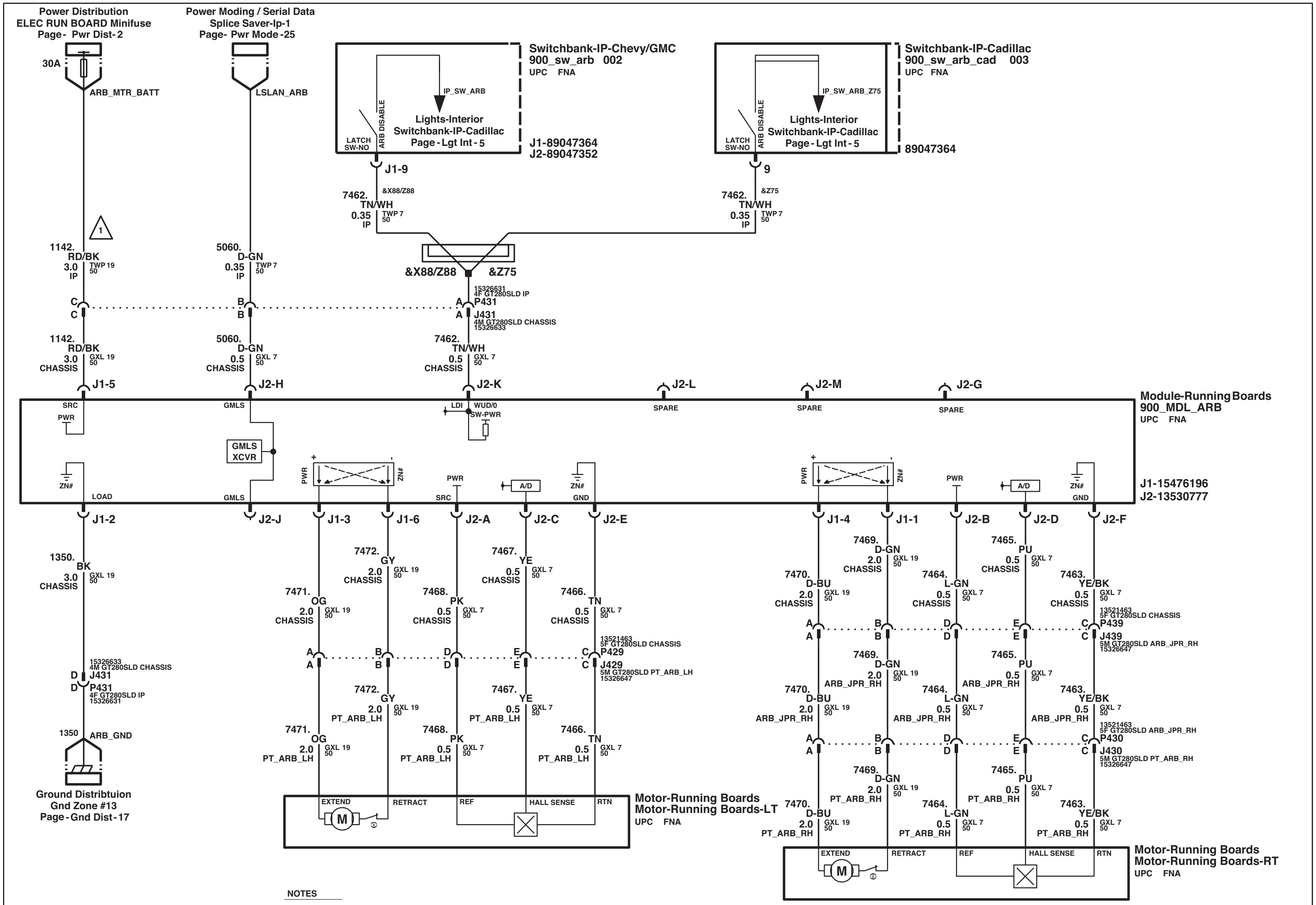
Charging: Hybrid

1_08_charg_hybrid Panel 3 of 3

&HP2

0
GMT900
IVER : IVER
System Status: Object Status:

Closures/Mirror: Running Board


Power Distribution
ELEC RUN BOARD Minifuse
Page- Pwr Dist-2
30A
ARB_MTR_BATT
Power Moding / Serial Data
Splice Saver-Ip-1
Page- Pwr Mode-25
LSLAN_ARB
Switchbank-IP-Chevy/GMC
900_sw_arb 002
UPC FNA
IP_SW_ARB
Lights-Interior
Switchbank-IP-Cadillac
Page-Lgt Int-5
LATCH SW-NO
ARB DISABLE
J1-89047364
J2-89047352
J1-9
Switchbank-IP-Cadillac
900_sw_arb_cad 003
UPC FNA
IP_SW_ARB_Z75
Lights-Interior
Switchbank-IP-Cadillac
Page-Lgt Int-5
LATCH SW-NO
ARB DISABLE
89047364
9
7462. TN/WH 0.35 IP TWP 7 50 &X88/Z88
7462. TN/WH 0.35 IP TWP 7 50 &Z75
1
1142. RD/BK 3.0 IP TWP 19 50
5060. D-GN 0.35 IP TWP 7 50
&X88/Z88
&Z75
15326631 4F GT280SLD IP
P431
J431
4M GT280SLD CHASSIS 15326633
C C B B A A
1142. RD/BK 3.0 CHASSIS GXL 19 50
5060. D-GN 0.5 CHASSIS GXL 7 50
7462. TN/WH 0.5 CHASSIS GXL 7 50
J1-5
J2-H
J2-K
J2-L
J2-M
J2-G
SRC
PWR
GMLS
GMLS XCVR
LDI
WUD/0
SW-PWR
SPARE
SPARE
SPARE
Module-Running Boards
900_MDL_ARB
UPC FNA
ZN#
LOAD
GMLS
PWR
ZN#
+
-
PWR
SRC
A/D
ZN#
GND
PWR
ZN#
+
-
PWR
A/D
ZN#
GND
J1-15476196
J2-13530777
J1-2
J2-J
J1-3
J1-6
J2-A
J2-C
J2-E
J1-4
J1-1
J2-B
J2-D
J2-F
1350. BK 3.0 CHASSIS GXL 19 50
15326633 4M GT280SLD CHASSIS
D J431
D P431
4F GT280SLD IP 15326631
1350 ARB_GND
Ground Distribtuion
Gnd Zone #13
Page-Gnd Dist-17
7472. GY 2.0 CHASSIS GXL 19 50
7467. YE 0.5 CHASSIS GXL 7 50
7471. OG 2.0 CHASSIS GXL 19 50
7468. PK 0.5 CHASSIS GXL 7 50
7466. TN 0.5 CHASSIS GXL 7 50
13521463 5F GT280SLD CHASSIS
P429
J429
5M GT280SLD PT_ARB_LH 15326647
A A B B D D E E C C
7472. GY 2.0 PT_ARB_LH GXL 19 50
7467. YE 0.5 PT_ARB_LH GXL 7 50
7471. OG 2.0 PT_ARB_LH GXL 19 50
7468. PK 0.5 PT_ARB_LH GXL 7 50
7466. TN 0.5 PT_ARB_LH GXL 7 50
EXTEND
RETRACT
REF
HALL SENSE
RTN
M
①
Motor-Running Boards
Motor-Running Boards-LT
UPC FNA
7469. D-GN 2.0 CHASSIS GXL 19 50
7465. PU 0.5 CHASSIS GXL 7 50
7470. D-BU 2.0 CHASSIS GXL 19 50
7464. L-GN 0.5 CHASSIS GXL 7 50
7463. YE/BK 0.5 CHASSIS GXL 7 50
13521463 5F GT280SLD CHASSIS
P439
J439
5M GT280SLD ARB_JPR_RH 15326647
A A B B D D E E C C
7469. D-GN 2.0 ARB_JPR_RH GXL 19 50
7465. PU 0.5 ARB_JPR_RH GXL 7 50
7470. D-BU 2.0 ARB_JPR_RH GXL 19 50
7464. L-GN 0.5 ARB_JPR_RH GXL 7 50
7463. YE/BK 0.5 ARB_JPR_RH GXL 7 50
13521463 5F GT280SLD ARB_JPR_RH
P430
J430
5M GT280SLD PT_ARB_RH 15326647
A A B B D D E E C C
7469. D-GN 2.0 PT_ARB_RH GXL 19 50
7465. PU 0.5 PT_ARB_RH GXL 7 50
7470. D-BU 2.0 PT_ARB_RH GXL 19 50
7464. L-GN 0.5 PT_ARB_RH GXL 7 50
7463. YE/BK 0.5 PT_ARB_RH GXL 7 50
EXTEND
RETRACT
REF
HALL SENSE
RTN
M
①
Motor-Running Boards
Motor-Running Boards-RT
UPC FNA

NOTES

- 1 – INCREASED GAGE SIZE FOR VOLTAGE DROP

ARE16362
003
GMT900
GM Proprietary

Thursday, October 26, 2006
8:50:32 am 7
IEC/ESI

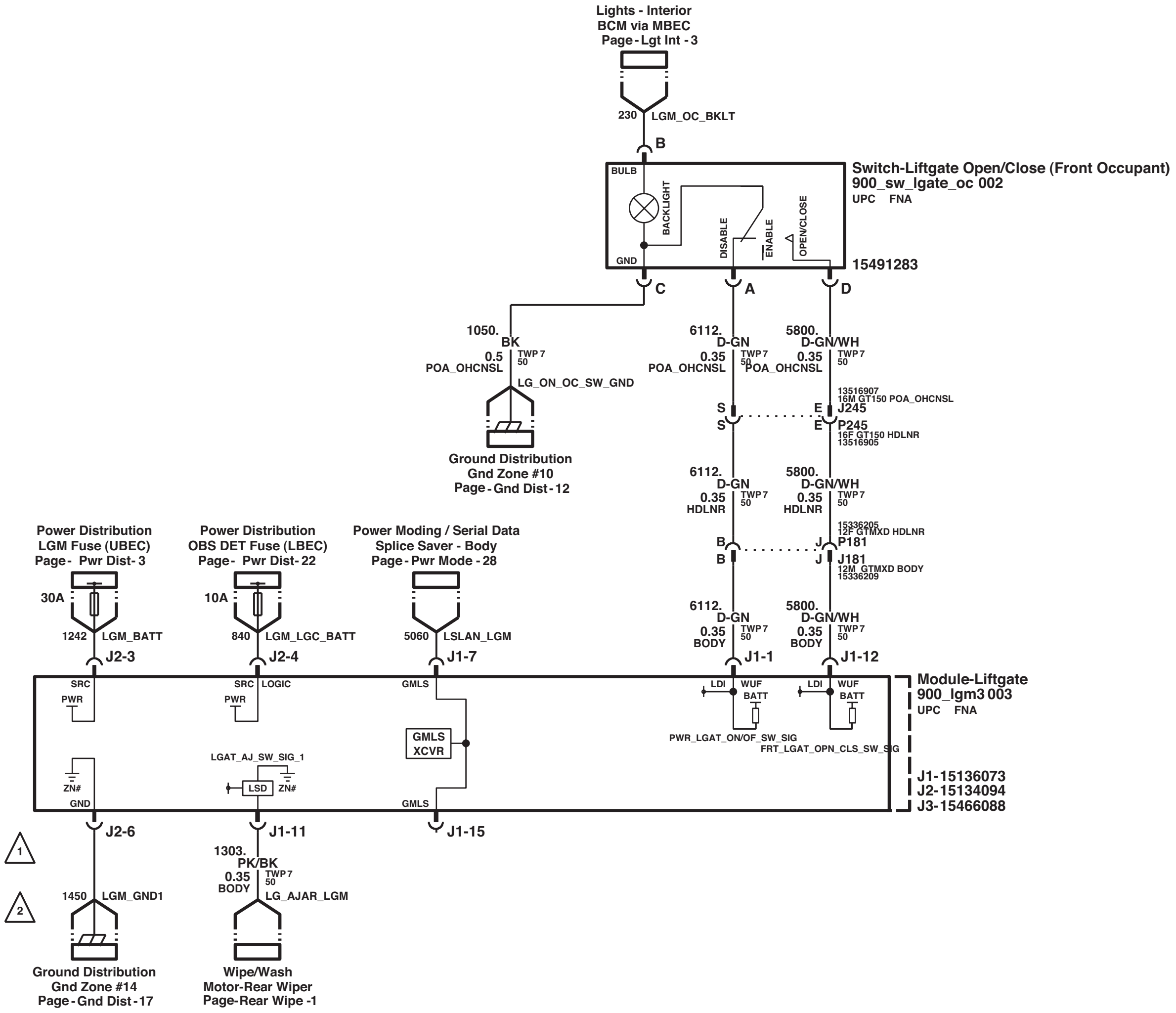
Closures/Mirror: Running Board

1_08_cls_brd_rtrct Panel 1 of 1

&BRS

2008
GMT900
IVER
System Status: Object Status:

Closures/Mirror: Power Liftgate


Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
230 LGM_OC_BKLT
B
Switch-Liftgate Open/Close (Front Occupant)
900_sw_lgate_oc 002
UPC FNA
BULB
BACKLIGHT
DISABLE
ENABLE
OPEN/CLOSE
GND
15491283
C
A
D
1050.
BK
0.5
TWP 7
50
POA_OHCNSL
LG_ON_OC_SW_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
6112.
D-GN
0.35
POA_OHCNSL
5800.
D-GN/WH
0.35
POA_OHCNSL
13516907
16M GT150 POA_OHCNSL
J245
P245
16F GT150 HDLNR
13516905
S
E
HDLNR
15336205
12F GTMXD HDLNR
P181
J181
12M GTMXD BODY
15336209
B
J
BODY
J1-1
J1-12
Power Distribution
LGM Fuse (UBEC)
Page - Pwr Dist - 3
30A
1242 LGM_BATT
J2-3
Power Distribution
OBS DET Fuse (LBEC)
Page - Pwr Dist - 22
10A
840 LGM_LGC_BATT
J2-4
Power Moding / Serial Data
Splice Saver - Body
Page - Pwr Mode - 28
5060 LSLAN_LGM
J1-7
SRC
PWR
SRC LOGIC
PWR
GMLS
GMLS
XCVR
LDI WUF
BATT
PWR_LGAT_ON/OF_SW_SIG
FRT_LGAT_OPN_CLS_SW_SIG
Module-Liftgate
900_lgm3 003
UPC FNA
J1-15136073
J2-15134094
J3-15466088
LGAT_AJ_SW_SIG_1
LSD
ZN#
GND
GMLS
J2-6
J1-11
J1-15
1
2
1450 LGM_GND1
1303.
PK/BK
0.35
BODY
LG_AJAR_LGM
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
Wipe/Wash
Motor-Rear Wiper
Page-Rear Wipe -1

NOTES

- 1 – PARALLEL GROUNDS MAY BE REQUIRED TO MEET GMLAN GROUND OFFSET REQUIREMENTS
- 2 – WHILE POWER FEED IS 5.0 GAGE DUE TO SIGNAL LOSS, GROUND WIRE CAN BE 3.0 GAGE AS – IT HAS A MUCH SHORTER LENGTH AND IS STILL PROTECTED BY 30A FUSE.

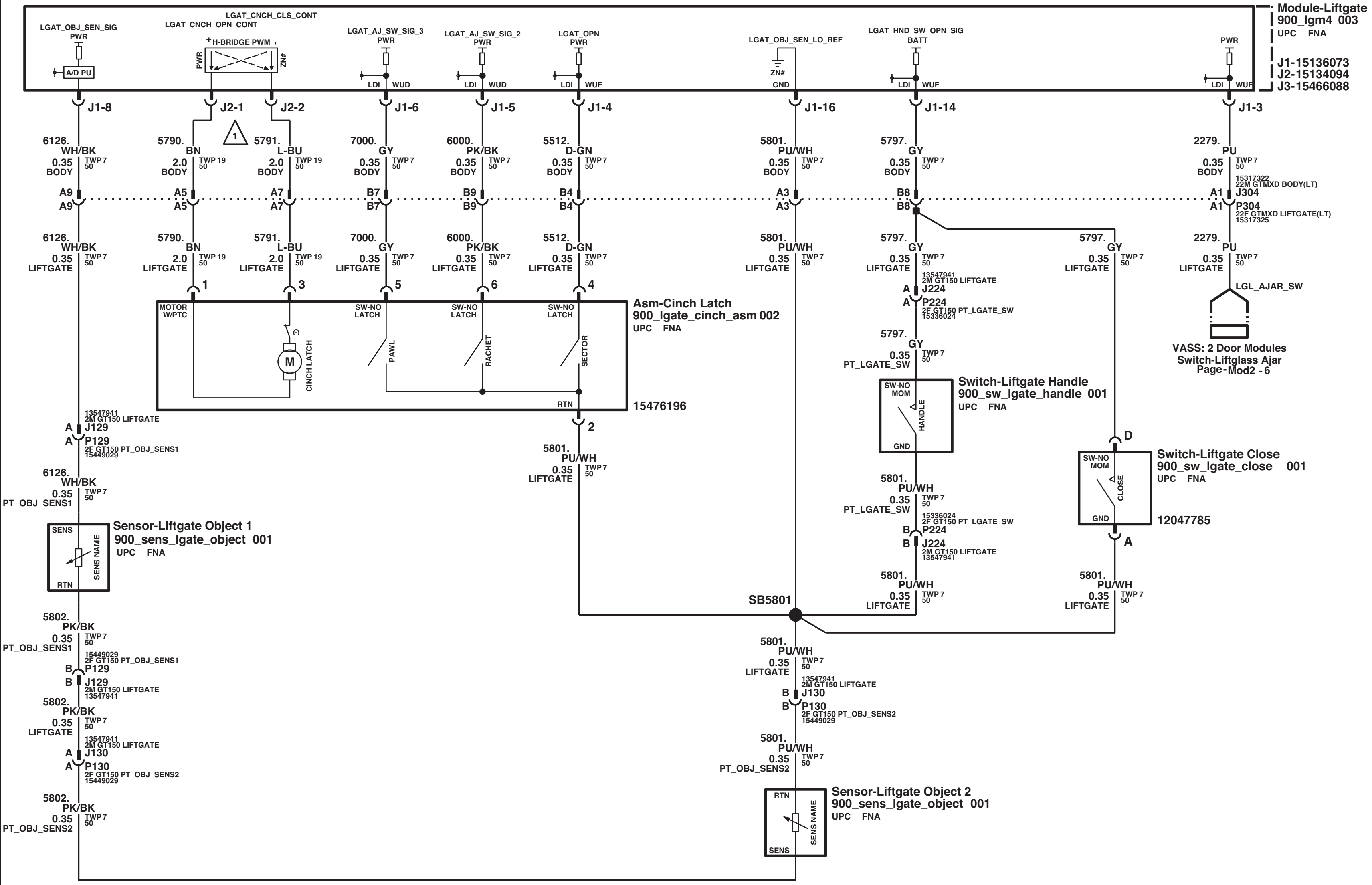
ARE16363
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
9:56:06 am 3
IEC/ESI

Closures/Mirrors: Power Liftgate
1_08_cls_gate_lift Panel 1 of 3
&E61

2008
GMT900
System Status: Object Status:

Closures/Mirror: Power Liftgate


Module-Liftgate
900_lgm4 003
UPC FNA
J1-15136073
J2-15134094
J3-15466088
LGAT_OBJ_SEN_SIG
PWR
A/D PU
LGAT_CNCH_CLS_CONT
LGAT_CNCH_OPN_CONT
H-BRIDGE PWM
PWR
ZN#
LGAT_AJ_SW_SIG_3
LGAT_AJ_SW_SIG_2
LGAT_OPN
LDI
WUD
WUF
LGAT_OBJ_SEN_LO_REF
GND
LGAT_HND_SW_OPN_SIG
BATT
J1-8
J2-1
J2-2
J1-6
J1-5
J1-4
J1-16
J1-14
J1-3
1
6126. WH/BK 0.35 BODY TWP 7 50
5790. BN 2.0 BODY TWP 19 50
5791. L-BU 2.0 BODY TWP 19 50
7000. GY 0.35 BODY TWP 7 50
6000. PK/BK 0.35 BODY TWP 7 50
5512. D-GN 0.35 BODY TWP 7 50
5801. PU/WH 0.35 BODY TWP 7 50
5797. GY 0.35 BODY TWP 7 50
2279. PU 0.35 BODY TWP 7 50
A9 A5 A7 B7 B9 B4 A3 B8 A1
15317322 22M GTMXD BODY(LT) J304
P304 22F GTMXD LIFTGATE(LT) 15317325
6126. WH/BK 0.35 LIFTGATE
5790. BN 2.0 LIFTGATE
5791. L-BU 2.0 LIFTGATE
7000. GY 0.35 LIFTGATE
6000. PK/BK 0.35 LIFTGATE
5512. D-GN 0.35 LIFTGATE
5801. PU/WH 0.35 LIFTGATE
5797. GY 0.35 LIFTGATE
5797. GY 0.35 LIFTGATE
2279. PU 0.35 LIFTGATE
1 3 5 6 4
Asm-Cinch Latch
900_lgate_cinch_asm 002
UPC FNA
MOTOR W/PTC
M
CINCH LATCH
SW-NO LATCH
PAWL
RACHET
SECTOR
RTN
15476196
2
5801. PU/WH 0.35 LIFTGATE TWP 7 50
13547941 2M GT150 LIFTGATE J224
P224 2F GT150 PT_LGATE_SW 15336024
5797. GY 0.35 PT_LGATE_SW
Switch-Liftgate Handle
900_sw_lgate_handle 001
UPC FNA
SW-NO MOM
HANDLE
GND
5801. PU/WH 0.35 PT_LGATE_SW
15336024 2F GT150 PT_LGATE_SW P224
J224 2M GT150 LIFTGATE 13547941
5801. PU/WH 0.35 LIFTGATE
LGL_AJAR_SW
VASS: 2 Door Modules
Switch-Liftglass Ajar
Page-Mod2 -6
D
Switch-Liftgate Close
900_sw_lgate_close 001
UPC FNA
SW-NO MOM
CLOSE
GND
12047785
A
5801. PU/WH 0.35 LIFTGATE
SB5801
13547941 2M GT150 LIFTGATE A J129
A P129 2F GT150 PT_OBJ_SENS1 15449029
6126. WH/BK 0.35 PT_OBJ_SENS1
Sensor-Liftgate Object 1
900_sens_lgate_object 001
UPC FNA
SENS
SENS NAME
RTN
5802. PK/BK 0.35 PT_OBJ_SENS1
15449029 2F GT150 PT_OBJ_SENS1 B P129
B J129 2M GT150 LIFTGATE 13547941
5802. PK/BK 0.35 LIFTGATE
13547941 2M GT150 LIFTGATE A J130
A P130 2F GT150 PT_OBJ_SENS2 15449029
5802. PK/BK 0.35 PT_OBJ_SENS2
5801. PU/WH 0.35 LIFTGATE
13547941 2M GT150 LIFTGATE B J130
B P130 2F GT150 PT_OBJ_SENS2 15449029
5801. PU/WH 0.35 PT_OBJ_SENS2
Sensor-Liftgate Object 2
900_sens_lgate_object 001
UPC FNA
RTN
SENS NAME
SENS

NOTES

- 1 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.

ARE16363
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
9:56:06 am 3
IEC/ESI

Closures/Mirrors: Power Liftgate

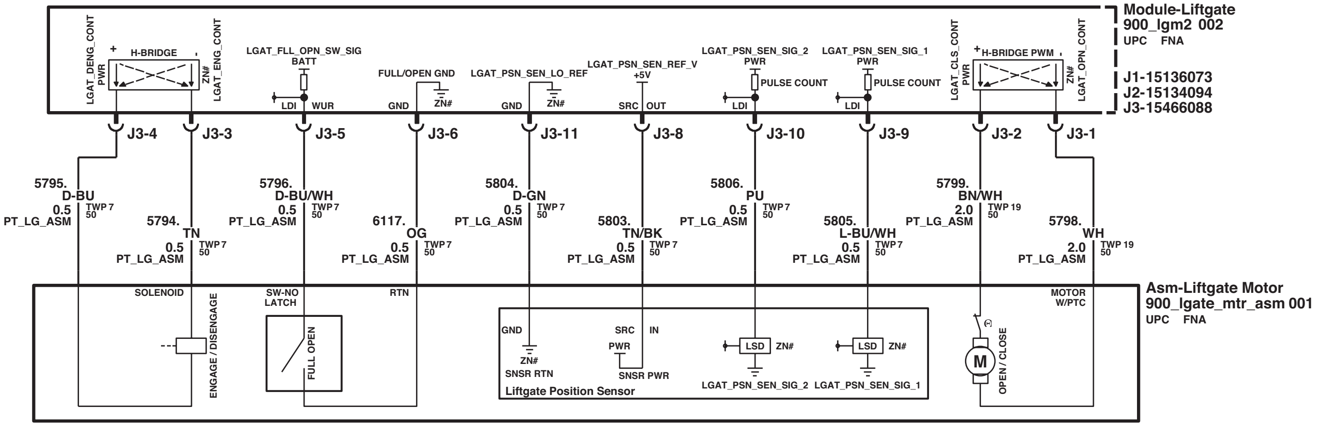
1_08_cls_gate_lift Panel 2 of 3

&E61

2008
GMT900

System Status: Object Status:

Closures/Mirror: Power Liftgate


Module-Liftgate
900_lgm2 002
UPC FNA
J1-15136073
J2-15134094
J3-15466088
LGAT_DENG_CONT
PWR
+
H-BRIDGE
-
ZN#
LGAT_ENG_CONT
LGAT_FLL_OPN_SW_SIG
BATT
LDI
WUR
FULL/OPEN GND
GND
ZN#
LGAT_PSN_SEN_LO_REF
GND
ZN#
LGAT_PSN_SEN_REF_V
+5V
SRC
OUT
LGAT_PSN_SEN_SIG_2
PWR
PULSE COUNT
LDI
LGAT_PSN_SEN_SIG_1
PWR
PULSE COUNT
LDI
LGAT_CLS_CONT
PWR
+
H-BRIDGE PWM
-
ZN#
LGAT_OPN_CONT
J3-4
J3-3
J3-5
J3-6
J3-11
J3-8
J3-10
J3-9
J3-2
J3-1
5795.
D-BU
0.5
TWP 7
50
PT_LG_ASM
5794.
TN
0.5
TWP 7
50
PT_LG_ASM
5796.
D-BU/WH
0.5
TWP 7
50
PT_LG_ASM
6117.
OG
0.5
TWP 7
50
PT_LG_ASM
5804.
D-GN
0.5
TWP 7
50
PT_LG_ASM
5803.
TN/BK
0.5
TWP 7
50
PT_LG_ASM
5806.
PU
0.5
TWP 7
50
PT_LG_ASM
5805.
L-BU/WH
0.5
TWP 7
50
PT_LG_ASM
5799.
BN/WH
2.0
TWP 19
50
PT_LG_ASM
5798.
WH
2.0
TWP 19
50
PT_LG_ASM
Asm-Liftgate Motor
900_lgate_mtr_asm 001
UPC FNA
SOLENOID
ENGAGE / DISENGAGE
SW-NO
LATCH
FULL OPEN
RTN
GND
ZN#
SNSR RTN
SRC
IN
PWR
SNSR PWR
LSD
ZN#
LGAT_PSN_SEN_SIG_2
LSD
ZN#
LGAT_PSN_SEN_SIG_1
Liftgate Position Sensor
MOTOR
W/PTC
M
OPEN / CLOSE

ARE16363
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
9:56:06 am 3
IEC/ESI

Closures/Mirrors: Power Liftgate

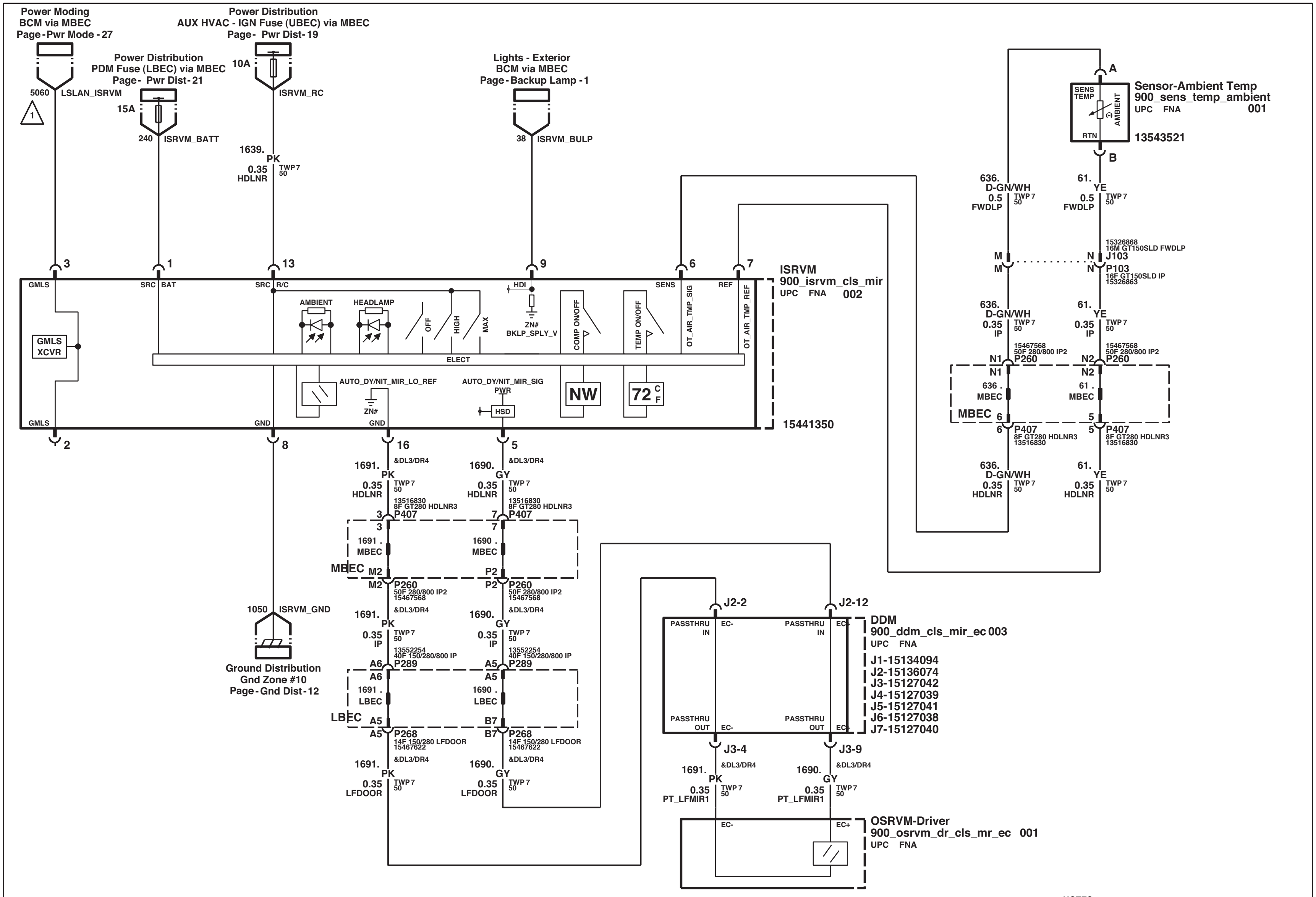
1_08_cls_gate_lift Panel 3 of 3

&E61

2008
GMT900

System Status: Object Status:

Closures/Mirror: ISRVM


Power Moding
BCM via MBEC
Page - Pwr Mode - 27
5060 LSLAN_ISRVM
1
Power Distribution
AUX HVAC - IGN Fuse (UBEC) via MBEC
Page - Pwr Dist - 19
10A
ISRVM_RC
1639.
PK
0.35 TWP 7 50
HDLNR
Power Distribution
PDM Fuse (LBEC) via MBEC
Page - Pwr Dist - 21
15A
240 ISRVM_BATT
Lights - Exterior
BCM via MBEC
Page - Backup Lamp - 1
38 ISRVM_BULP
3
1
13
9
6
7
ISRVM
900_isrvm_cls_mir
UPC FNA 002
15441350
GMLS
SRC BAT
SRC R/C
HDI
SENS
REF
GMLS XCVR
AMBIENT
HEADLAMP
OFF
HIGH
MAX
ZN#
BKLP_SPLY_V
COMP ON/OFF
TEMP ON/OFF
OT_AIR_TMP_SIG
OT_AIR_TMP_REF
ELECT
AUTO_DY/NIT_MIR_LO_REF
AUTO_DY/NIT_MIR_SIG
PWR
HSD
ZN#
NW
72 C F
GMLS
GND
GND
2
8
16
5
1050 ISRVM_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
1691. &DL3/DR4
PK
0.35 TWP 7 50
HDLNR
13516830
8F GT280 HDLNR3
3 P407
3
1691 . MBEC
MBEC M2
M2 P260
50F 280/800 IP2
15467568
1691. &DL3/DR4
PK
0.35 TWP 7 50
IP
13552254
40F 150/280/800 IP
A6 P289
A6
1691 . LBEC
LBEC A5
A5 P268
14F 150/280 LFDOOR
15467622
1691. &DL3/DR4
PK
0.35 TWP 7 50
LFDOOR
1690. &DL3/DR4
GY
0.35 TWP 7 50
HDLNR
13516830
8F GT280 HDLNR3
7 P407
7
1690 . MBEC
P2
P2 P260
50F 280/800 IP2
15467568
1690. &DL3/DR4
GY
0.35 TWP 7 50
IP
13552254
40F 150/280/800 IP
A5 P289
A5
1690 . LBEC
B7
B7 P268
14F 150/280 LFDOOR
15467622
1690. &DL3/DR4
GY
0.35 TWP 7 50
LFDOOR
J2-2
J2-12
DDM
900_ddm_cls_mir_ec 003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
PASSTHRU IN
EC-
PASSTHRU IN
EC-
PASSTHRU OUT
EC-
PASSTHRU OUT
EC-
J3-4
J3-9
1691. &DL3/DR4
PK
0.35 TWP 7 50
PT_LFMIR1
1690. &DL3/DR4
GY
0.35 TWP 7 50
PT_LFMIR1
OSRVM-Driver
900_osrvm_dr_cls_mr_ec 001
UPC FNA
EC-
EC+
A
Sensor-Ambient Temp
900_sens_temp_ambient
UPC FNA 001
SENS TEMP
AMBIENT
RTN
13543521
B
636.
D-GN/WH
0.5 TWP 7 50
FWDLP
61.
YE
0.5 TWP 7 50
FWDLP
15326868
16M GT150SLD FWDLP
M
N J103
M
N P103
16F GT150SLD IP
15326863
636.
D-GN/WH
0.35 TWP 7 50
IP
15467568
50F 280/800 IP2
N1 P260
N1
636 . MBEC
MBEC 6
6 P407
8F GT280 HDLNR3
13516830
636.
D-GN/WH
0.35 TWP 7 50
HDLNR
61.
YE
0.35 TWP 7 50
IP
15467568
50F 280/800 IP2
N2 P260
N2
61 . MBEC
5
5 P407
8F GT280 HDLNR3
13516830
61.
YE
0.35 TWP 7 50
HDLNR

NOTES
- 1 – ISRVM LSLAN REQUIRED ONLY FOR SMART BEAM

ARE16364
003
GMT900
GM Proprietary

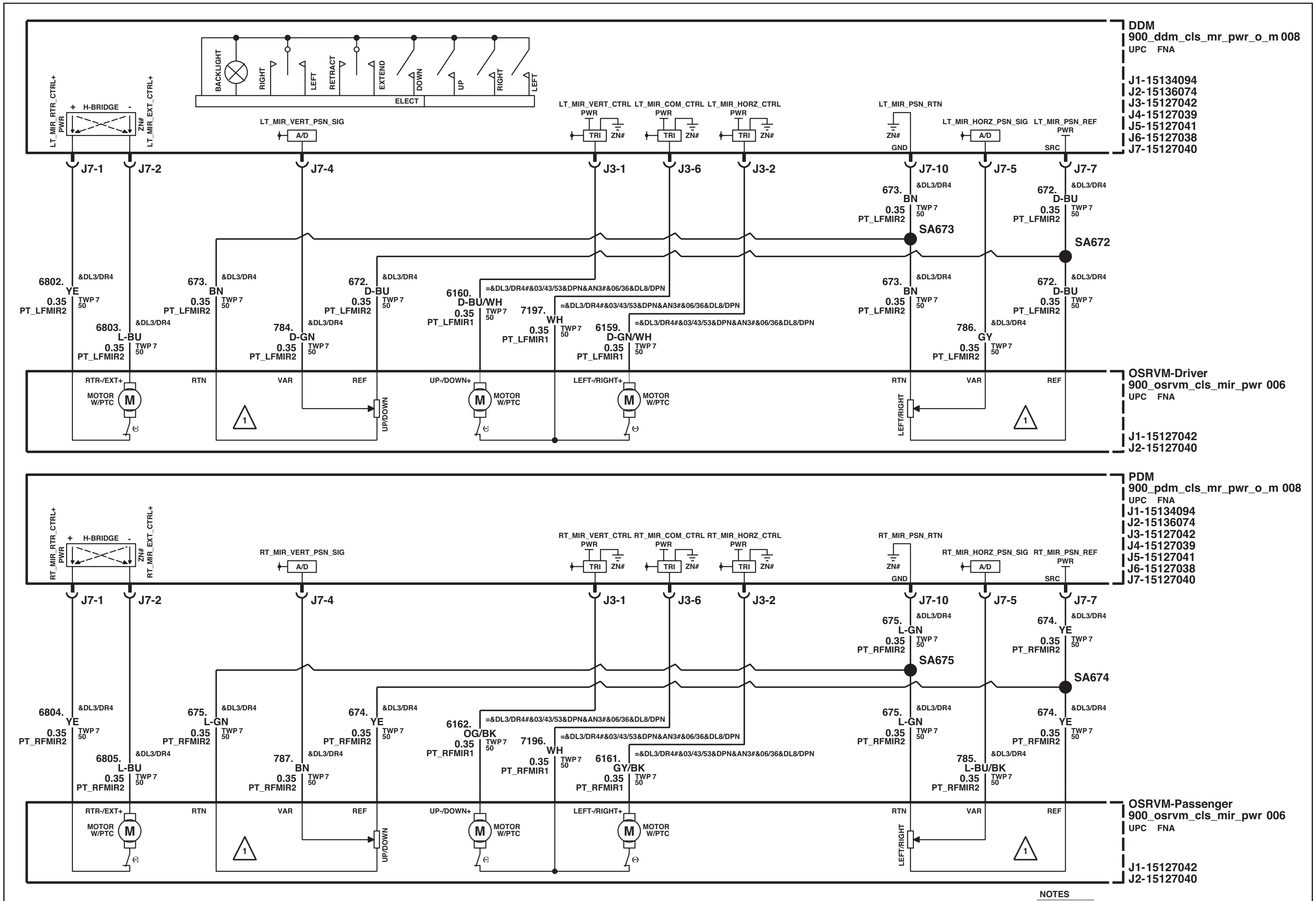
Tuesday, August 22, 2006
8:45:49 am 4
IEC/ESI

Closures/Mirrors: ISRVM
1_08_cls_mir_isrvm Panel 1 of 1

&DF5

2008
GMT900
IVER
System Status: Object Status:

Closures/Mirror: Power O/S Rear View Mirrors w/Mods


DDM
900_ddm_cls_mr_pwr_o_m 008
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
BACKLIGHT
RIGHT
LEFT
RETRACT
EXTEND
DOWN
UP
RIGHT
LEFT
ELECT
LT_MIR_RTR_CTRL+
PWR
+ H-BRIDGE -
ZN#
LT_MIR_EXT_CTRL+
LT_MIR_VERT_PSN_SIG
A/D
LT_MIR_VERT_CTRL
LT_MIR_COM_CTRL
LT_MIR_HORZ_CTRL
PWR
TRI
ZN#
LT_MIR_PSN_RTN
ZN#
GND
LT_MIR_HORZ_PSN_SIG
LT_MIR_PSN_REF
SRC
J7-1
J7-2
J7-4
J3-1
J3-6
J3-2
J7-10
J7-5
J7-7
673. BN 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
SA673
672. D-BU 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
SA672
6802. YE 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
6803. L-BU 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
673. BN 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
784. D-GN 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
672. D-BU 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
6160. D-BU/WH 0.35 PT_LFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
7197. WH 0.35 PT_LFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
6159. D-GN/WH 0.35 PT_LFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
673. BN 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
786. GY 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
672. D-BU 0.35 PT_LFMIR2 &DL3/DR4 TWP 7 50
OSRVM-Driver
900_osrvm_cls_mir_pwr 006
UPC FNA
J1-15127042
J2-15127040
RTR-/EXT+
MOTOR W/PTC
M
RTN
VAR
REF
UP/DOWN
UP-/DOWN+
LEFT-/RIGHT+
LEFT/RIGHT
1
PDM
900_pdm_cls_mr_pwr_o_m 008
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
RT_MIR_RTR_CTRL+
RT_MIR_EXT_CTRL+
RT_MIR_VERT_PSN_SIG
RT_MIR_VERT_CTRL
RT_MIR_COM_CTRL
RT_MIR_HORZ_CTRL
RT_MIR_PSN_RTN
RT_MIR_HORZ_PSN_SIG
RT_MIR_PSN_REF
675. L-GN 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
SA675
674. YE 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
SA674
6804. YE 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
6805. L-BU 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
675. L-GN 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
787. BN 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
674. YE 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
6162. OG/BK 0.35 PT_RFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
7196. WH 0.35 PT_RFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
6161. GY/BK 0.35 PT_RFMIR1 TWP 7 50
=&DL3/DR4#&03/43/53&DPN&AN3#&06/36&DL8/DPN
675. L-GN 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
785. L-BU/BK 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
674. YE 0.35 PT_RFMIR2 &DL3/DR4 TWP 7 50
OSRVM-Passenger
900_osrvm_cls_mir_pwr 006
UPC FNA
J1-15127042
J2-15127040

NOTES

- 1 – POTENTIOMETERS ONLY NECCESSARY WITH MEMORY.

ARE16365
003
GMT900
GM Proprietary

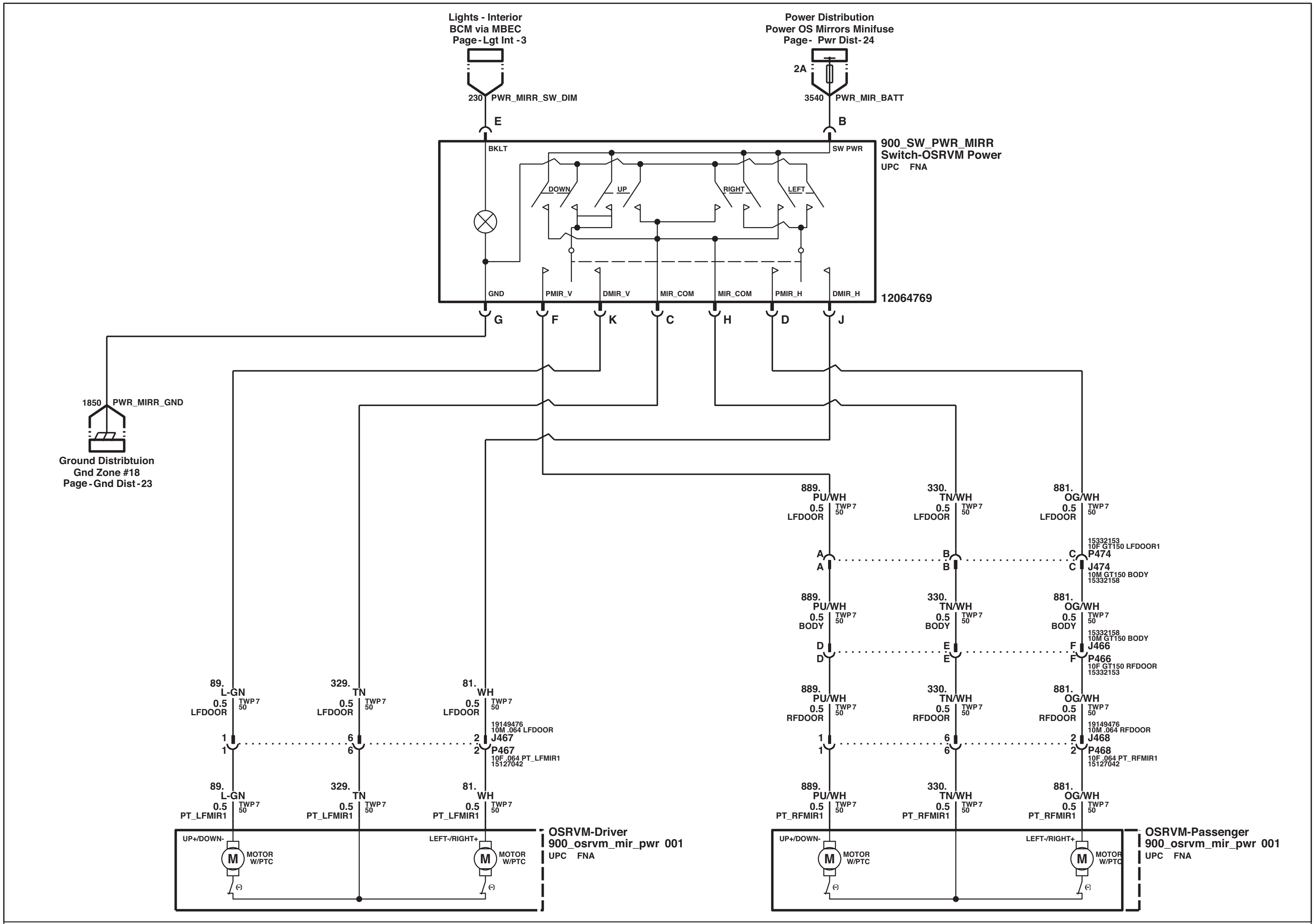
Tuesday, August 22, 2006
8:46:08 am 4
IEC/ESI

Closures/Mirrors: Power O/S Rear View Mirrors w/Mods

1_08_cls_mir_pwr_os_m Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Mirrors: Power OSRVM


Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
Power Distribution
Power OS Mirrors Minifuse
Page - Pwr Dist - 24
2A
230 PWR_MIRR_SW_DIM
3540 PWR_MIR_BATT
E
B
BKLT
SW PWR
900_SW_PWR_MIRR
Switch-OSRVM Power
UPC FNA
DOWN
UP
RIGHT
LEFT
GND
PMIR_V
DMIR_V
MIR_COM
MIR_COM
PMIR_H
DMIR_H
12064769
G
F
K
C
H
D
J
1850 PWR_MIRR_GND
Ground Distribtuion
Gnd Zone #18
Page - Gnd Dist - 23
889. PU/WH 0.5 LFDOOR TWP 7 50
330. TN/WH 0.5 LFDOOR TWP 7 50
881. OG/WH 0.5 LFDOOR TWP 7 50
15332153
10F GT150 LFDOOR1
A A
B B
C C
P474
J474
10M GT150 BODY
15332158
889. PU/WH 0.5 BODY TWP 7 50
330. TN/WH 0.5 BODY TWP 7 50
881. OG/WH 0.5 BODY TWP 7 50
15332158
10M GT150 BODY
D D
E E
F F
J466
P466
10F GT150 RFDOOR
15332153
89. L-GN 0.5 LFDOOR TWP 7 50
329. TN 0.5 LFDOOR TWP 7 50
81. WH 0.5 LFDOOR TWP 7 50
889. PU/WH 0.5 RFDOOR TWP 7 50
330. TN/WH 0.5 RFDOOR TWP 7 50
881. OG/WH 0.5 RFDOOR TWP 7 50
19149476
10M .064 LFDOOR
1 1
6 6
2 2
J467
P467
10F .064 PT_LFMIR1
15127042
19149476
10M .064 RFDOOR
1 1
6 6
2 2
J468
P468
10F .064 PT_RFMIR1
15127042
89. L-GN 0.5 PT_LFMIR1 TWP 7 50
329. TN 0.5 PT_LFMIR1 TWP 7 50
81. WH 0.5 PT_LFMIR1 TWP 7 50
889. PU/WH 0.5 PT_RFMIR1 TWP 7 50
330. TN/WH 0.5 PT_RFMIR1 TWP 7 50
881. OG/WH 0.5 PT_RFMIR1 TWP 7 50
UP+/DOWN-
M
MOTOR W/PTC
LEFT-/RIGHT+
M
MOTOR W/PTC
OSRVM-Driver
900_osrvm_mir_pwr 001
UPC FNA
UP+/DOWN-
M
MOTOR W/PTC
LEFT-/RIGHT+
M
MOTOR W/PTC
OSRVM-Passenger
900_osrvm_mir_pwr 001
UPC FNA

ARE75670
004
GMT900
GM Proprietary

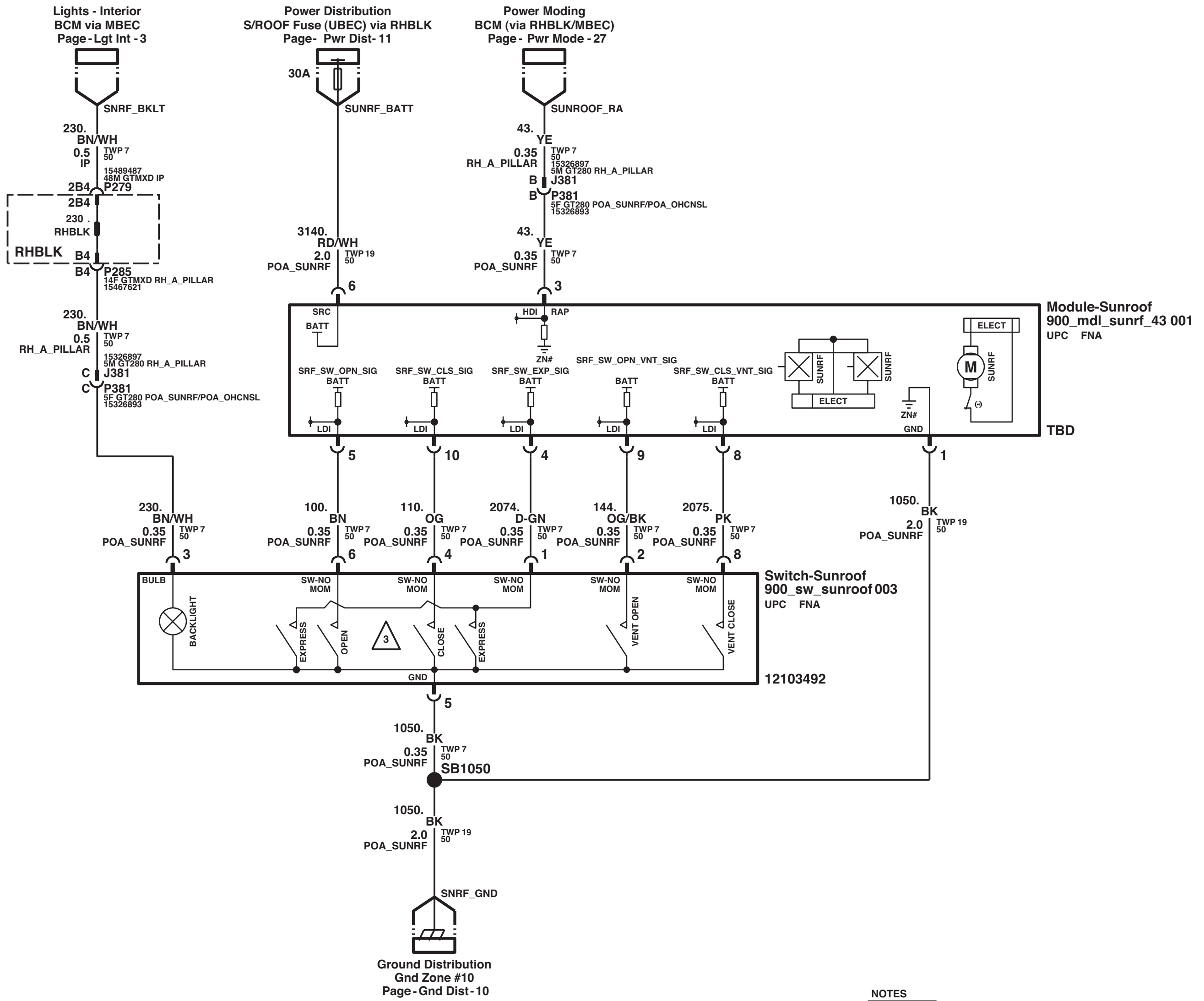
Thursday, June 29, 2006
2:11:22 pm 2
IEC/ESI

Mirrors: Power OSRVM
MR01 Panel 1 of 1

No DZM
&03/43/53&DL8/DPN&YE9-AN3-DL3

2008
GMT900
System Status: Object Status:

Closures/Mirrors: Sunroof - Crew Cab


Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
SNRF_BKLT
230.
BN/WH
0.5
IP
TWP 7
50
15489487
48M GTMXD IP
2B4
P279
2B4
230 .
RHBLK
RHBLK
B4
B4
P285
14F GTMXD RH_A_PILLAR
15467621
230.
BN/WH
0.5
RH_A_PILLAR
TWP 7
50
15326897
5M GT280 RH_A_PILLAR
C
J381
C
P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
Power Distribution
S/ROOF Fuse (UBEC) via RHBLK
Page- Pwr Dist- 11
30A
SUNRF_BATT
3140.
RD/WH
2.0
POA_SUNRF
TWP 19
50
6
Power Moding
BCM (via RHBLK/MBEC)
Page - Pwr Mode - 27
SUNROOF_RA
43.
YE
0.35
RH_A_PILLAR
TWP 7
50
15326897
5M GT280 RH_A_PILLAR
B
J381
B
P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
43.
YE
0.35
POA_SUNRF
TWP 7
50
3
SRC
BATT
HDI
RAP
ZN#
SRF_SW_OPN_SIG
BATT
SRF_SW_CLS_SIG
BATT
SRF_SW_EXP_SIG
BATT
SRF_SW_OPN_VNT_SIG
BATT
SRF_SW_CLS_VNT_SIG
BATT
LDI
LDI
LDI
LDI
LDI
SUNRF
SUNRF
ELECT
ELECT
M
SUNRF
ZN#
GND
Module-Sunroof
900_mdl_sunrf_43 001
UPC FNA
TBD
5
10
4
9
8
1
230.
BN/WH
0.35
POA_SUNRF
TWP 7
50
3
100.
BN
0.35
POA_SUNRF
TWP 7
50
6
110.
OG
0.35
POA_SUNRF
TWP 7
50
4
2074.
D-GN
0.35
POA_SUNRF
TWP 7
50
1
144.
OG/BK
0.35
POA_SUNRF
TWP 7
50
2
2075.
PK
0.35
POA_SUNRF
TWP 7
50
8
1050.
BK
2.0
POA_SUNRF
TWP 19
50
BULB
BACKLIGHT
SW-NO
MOM
SW-NO
MOM
SW-NO
MOM
SW-NO
MOM
SW-NO
MOM
EXPRESS
OPEN
3
CLOSE
EXPRESS
VENT OPEN
VENT CLOSE
GND
Switch-Sunroof
900_sw_sunroof 003
UPC FNA
12103492
5
1050.
BK
0.35
POA_SUNRF
TWP 7
50
SB1050
1050.
BK
2.0
POA_SUNRF
TWP 19
50
SNRF_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 10

NOTES

- 1 – EXPRESS BUTTONS ARE SECOND DETENT OF DIRECTION BUTTON.

ARE16366
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:46:41 am 3
IEC/ESI

Closures/Mirrors: Sunroof - Crew Cab

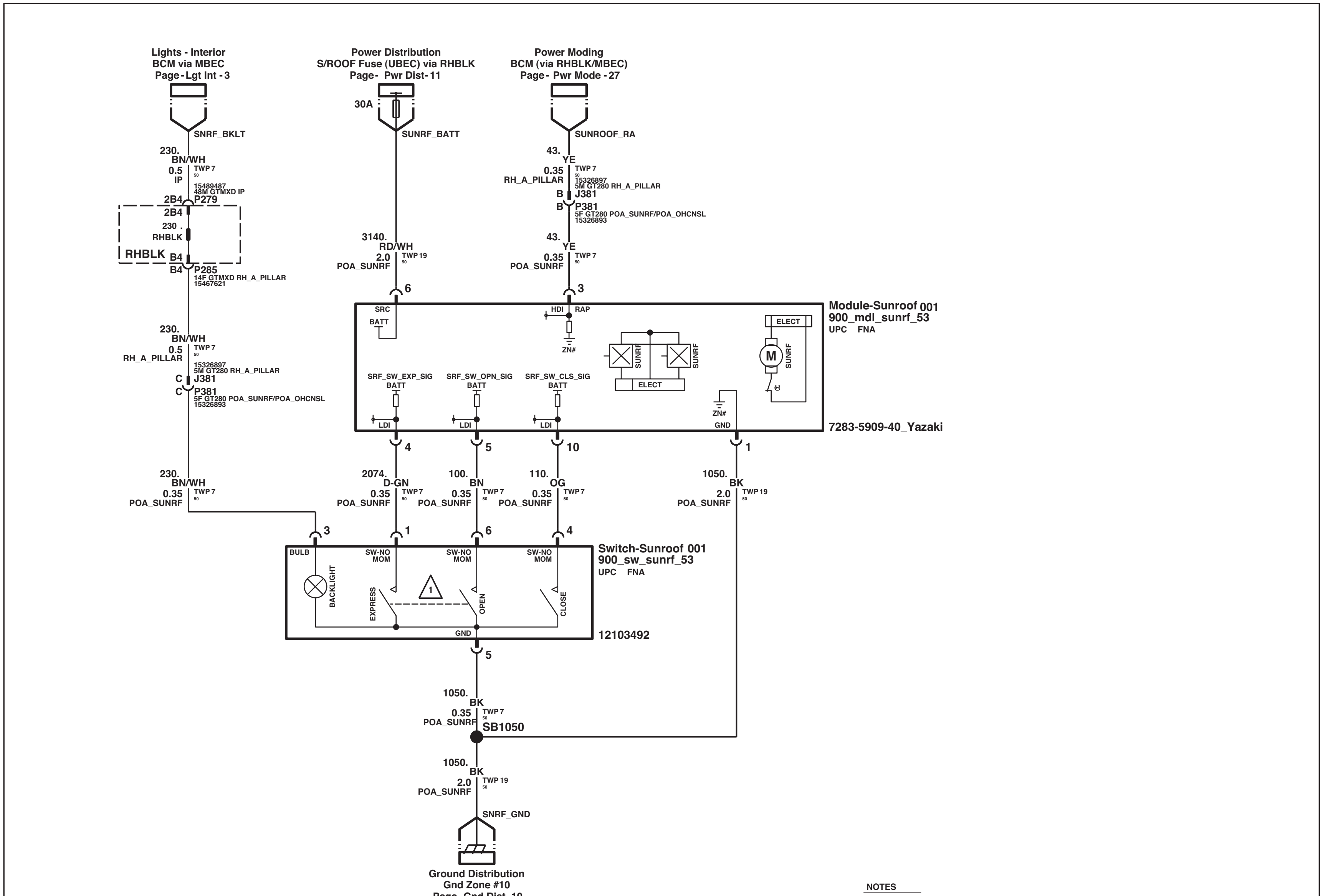
1_08_cls_sunrf_43 Panel 1 of 1

&43&CF5

2008
GMT900
IVER

System Status: Object Status:

Closures/Mirrors: Sunroof - Ext. Cab


Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
Power Distribution
S/ROOF Fuse (UBEC) via RHBLK
Page - Pwr Dist - 11
Power Moding
BCM (via RHBLK/MBEC)
Page - Pwr Mode - 27
30A
SNRF_BKLT
SUNRF_BATT
SUNROOF_RA
230.
BN/WH
0.5
IP
TWP 7
15489487
48M GTMXD IP
2B4
P279
2B4
230 .
RHBLK
RHBLK
B4
B4
P285
14F GTMXD RH_A_PILLAR
15467621
43.
YE
0.35
RH_A_PILLAR
15326897
5M GT280 RH_A_PILLAR
B J381
B P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
3140.
RD/WH
2.0
POA_SUNRF
TWP 19
43.
YE
0.35
POA_SUNRF
TWP 7
6
3
SRC
BATT
HDI
RAP
ZN#
ELECT
SUNRF
SUNRF
ELECT
M
SUNRF
SRF_SW_EXP_SIG
BATT
SRF_SW_OPN_SIG
BATT
SRF_SW_CLS_SIG
BATT
LDI
LDI
LDI
ZN#
GND
Module-Sunroof 001
900_mdl_sunrf_53
UPC FNA
7283-5909-40_Yazaki
230.
BN/WH
0.5
RH_A_PILLAR
TWP 7
15326897
5M GT280 RH_A_PILLAR
C J381
C P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
4
5
10
1
230.
BN/WH
0.35
POA_SUNRF
TWP 7
2074.
D-GN
0.35
POA_SUNRF
TWP 7
100.
BN
0.35
POA_SUNRF
TWP 7
110.
OG
0.35
POA_SUNRF
TWP 7
1050.
BK
2.0
POA_SUNRF
TWP 19
3
1
6
4
BULB
SW-NO MOM
SW-NO MOM
SW-NO MOM
BACKLIGHT
EXPRESS
1
OPEN
CLOSE
GND
Switch-Sunroof 001
900_sw_sunrf_53
UPC FNA
12103492
5
1050.
BK
0.35
POA_SUNRF
TWP 7
SB1050
1050.
BK
2.0
POA_SUNRF
TWP 19
SNRF_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 10

NOTES

- 1 – OPEN BUTTON SECOND DETENT ENGAGES EXPRESS OPEN

ARE16367
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:47:17 am 3
IEC/ESI

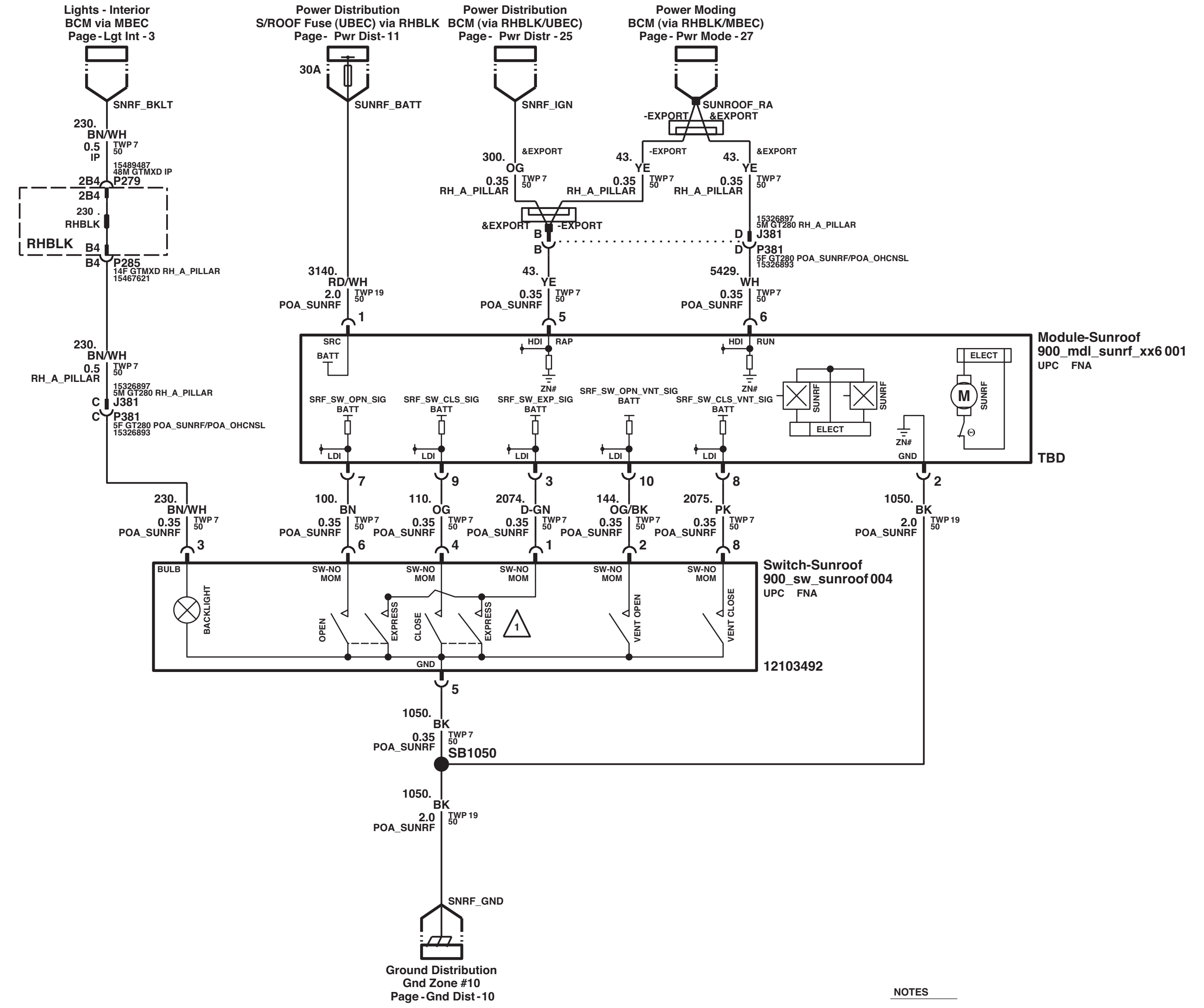
Closures/Mirrors: Sunroof - Ext Cab

1_08_cls_sunrf_53 Panel 1 of 1

&53&CF5

2008
GMT900
IVER
System Status: Object Status:

Closures/Mirrors: Sunroof - SUV/UUV


Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
Power Distribution
S/ROOF Fuse (UBEC) via RHBLK
Page - Pwr Dist - 11
Power Distribution
BCM (via RHBLK/UBEC)
Page - Pwr Distr - 25
Power Moding
BCM (via RHBLK/MBEC)
Page - Pwr Mode - 27
30A
SNRF_BKLT
SUNRF_BATT
SNRF_IGN
SUNROOF_RA
-EXPORT
&EXPORT
230.
BN/WH
0.5
IP
TWP 7 50
15489487
48M GTMXD IP
2B4
P279
230.
RHBLK
RHBLK
B4
P285
14F GTMXD RH_A_PILLAR
15467621
300.
OG
0.35
RH_A_PILLAR
43.
YE
15326897
5M GT280 RH_A_PILLAR
J381
P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
B
D
3140.
RD/WH
2.0
POA_SUNRF
TWP 19 50
5429.
WH
Module-Sunroof
900_mdl_sunrf_xx6 001
UPC FNA
TBD
SRC
BATT
HDI
RAP
RUN
ZN#
SRF_SW_OPN_SIG
SRF_SW_CLS_SIG
SRF_SW_EXP_SIG
SRF_SW_OPN_VNT_SIG
SRF_SW_CLS_VNT_SIG
LDI
ELECT
SUNRF
M
GND
1
2
3
4
5
6
7
8
9
10
100.
BN
110.
OG
2074.
D-GN
144.
OG/BK
2075.
PK
1050.
BK
Switch-Sunroof
900_sw_sunroof 004
UPC FNA
BULB
SW-NO
MOM
BACKLIGHT
OPEN
EXPRESS
CLOSE
VENT OPEN
VENT CLOSE
12103492
SB1050
SNRF_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 10

NOTES

- 1 – SECOND DETENT ENGAGES EXPRESS OPEN/CLOSE

ARE16368
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:47:49 am 3
IEC/ESI

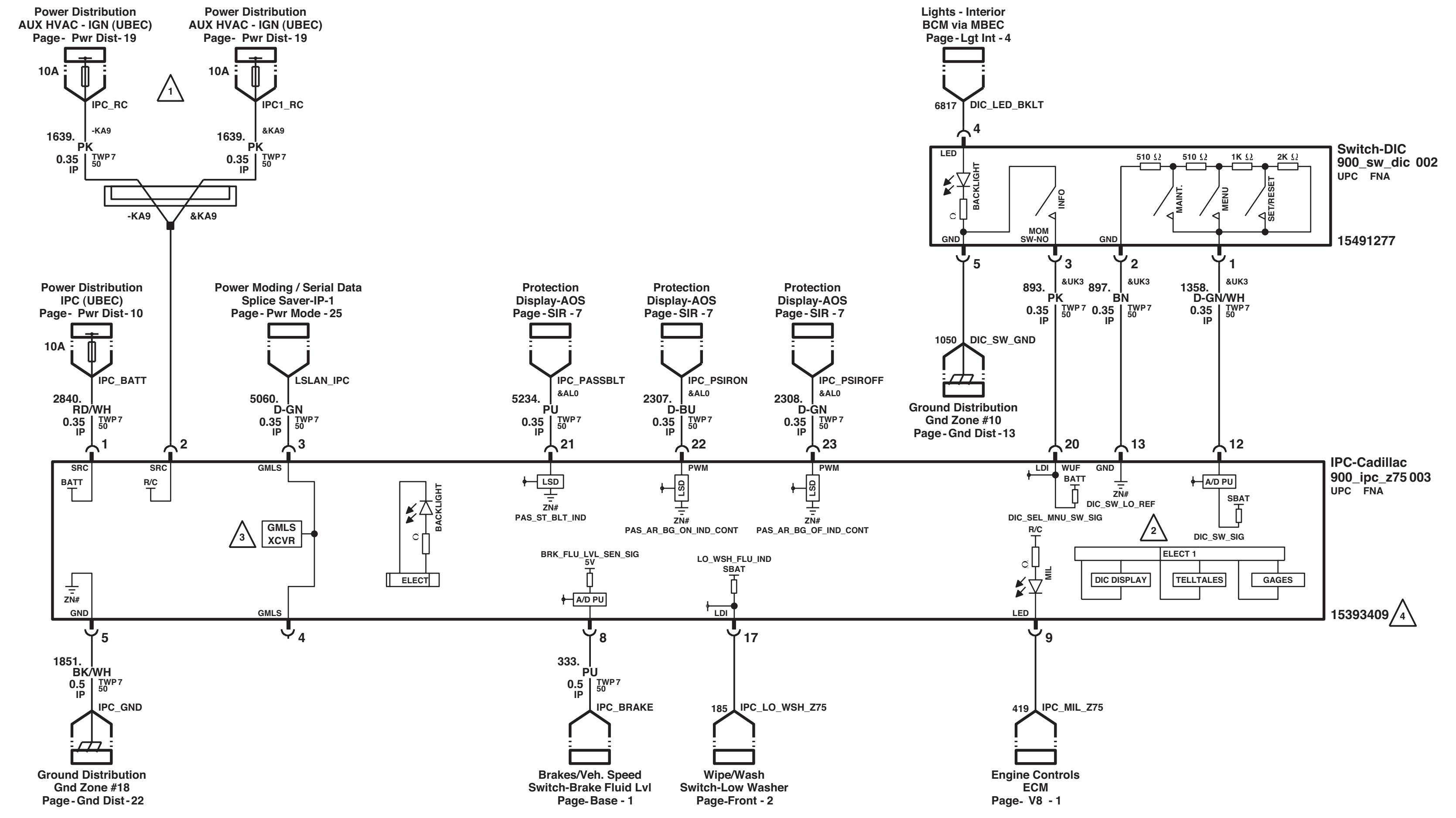
Closures/Mirrors: Sunroof - SUV/UUV

1_08_cls_sunrf_base Panel 1 of 1

&06/36&CF5

2008
GMT900
IVER
System Status: Object Status:

Displays: Instrument Panel Cluster


Power Distribution
AUX HVAC - IGN (UBEC)
Page- Pwr Dist-19
10A
IPC_RC
1639.
-KA9
PK
0.35
IP
TWP 7
50
Power Distribution
AUX HVAC - IGN (UBEC)
Page- Pwr Dist-19
10A
IPC1_RC
1639.
&KA9
PK
0.35
IP
TWP 7
50
1
-KA9
&KA9
Lights - Interior
BCM via MBEC
Page - Lgt Int - 4
6817
DIC_LED_BKLT
4
LED
BACKLIGHT
INFO
MOM
SW-NO
GND
510 Ω
510 Ω
1K Ω
2K Ω
MAINT.
MENU
SET/RESET
GND
Switch-DIC
900_sw_dic 002
UPC FNA
15491277
5
3
2
1
893.
&UK3
PK
0.35
IP
TWP 7
50
897.
&UK3
BN
0.35
IP
TWP 7
50
1358.
&UK3
D-GN/WH
0.35
IP
TWP 7
50
1050
DIC_SW_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13
Power Distribution
IPC (UBEC)
Page- Pwr Dist-10
10A
IPC_BATT
2840.
RD/WH
0.35
IP
TWP 7
50
Power Moding / Serial Data
Splice Saver-IP-1
Page - Pwr Mode - 25
LSLAN_IPC
5060.
D-GN
0.35
IP
TWP 7
50
Protection
Display-AOS
Page - SIR - 7
IPC_PASSBLT
&AL0
5234.
PU
0.35
IP
TWP 7
50
Protection
Display-AOS
Page - SIR - 7
IPC_PSIRON
&AL0
2307.
D-BU
0.35
IP
TWP 7
50
Protection
Display-AOS
Page - SIR - 7
IPC_PSIROFF
&AL0
2308.
D-GN
0.35
IP
TWP 7
50
1
2
3
21
22
23
20
13
12
SRC
BATT
SRC
R/C
GMLS
3
GMLS
XCVR
BACKLIGHT
ELECT
LSD
ZN#
PAS_ST_BLT_IND
PWM
LSD
ZN#
PAS_AR_BG_ON_IND_CONT
PWM
LSD
ZN#
PAS_AR_BG_OF_IND_CONT
LDI
WUF
BATT
GND
ZN#
DIC_SW_LO_REF
A/D PU
SBAT
DIC_SEL_MNU_SW_SIG
R/C
2
DIC_SW_SIG
ELECT 1
DIC DISPLAY
TELLTALES
GAGES
MIL
BRK_FLU_LVL_SEN_SIG
5V
A/D PU
LO_WSH_FLU_IND
SBAT
LDI
ZN#
GND
GMLS
LED
IPC-Cadillac
900_ipc_z75 003
UPC FNA
15393409
4
5
4
8
17
9
1851.
BK/WH
0.5
IP
TWP 7
50
IPC_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
333.
PU
0.5
IP
TWP 7
50
IPC_BRAKE
Brakes/Veh. Speed
Switch-Brake Fluid Lvl
Page- Base - 1
185
IPC_LO_WSH_Z75
Wipe/Wash
Switch-Low Washer
Page-Front - 2
419
IPC_MIL_Z75
Engine Controls
ECM
Page- V8 - 1

NOTES

- • 1 – THE IPC REQUIRES THE RUN/CRANK SIGNAL TO ACT AS THE BACKUP – POWER MODE MASTER
- • 2 – ALL GAGE & MOST OTHER DISPLAY INFORMATION IS RECEIVED VIA GMLAN.
- • 3 – THE IPC IS A "PRIMARY" LS GMLAN NODE, INSTEAD OF A "UNIT" LS GMLAN NODE.
- • 4 – CONNECTOR ASSEMBLY P/N 15398841 CONSISTS OF GM CONN P/N 15393409 AND GM SHROUD P/N 15393408

ARE16371
003
GMT900
GM Proprietary

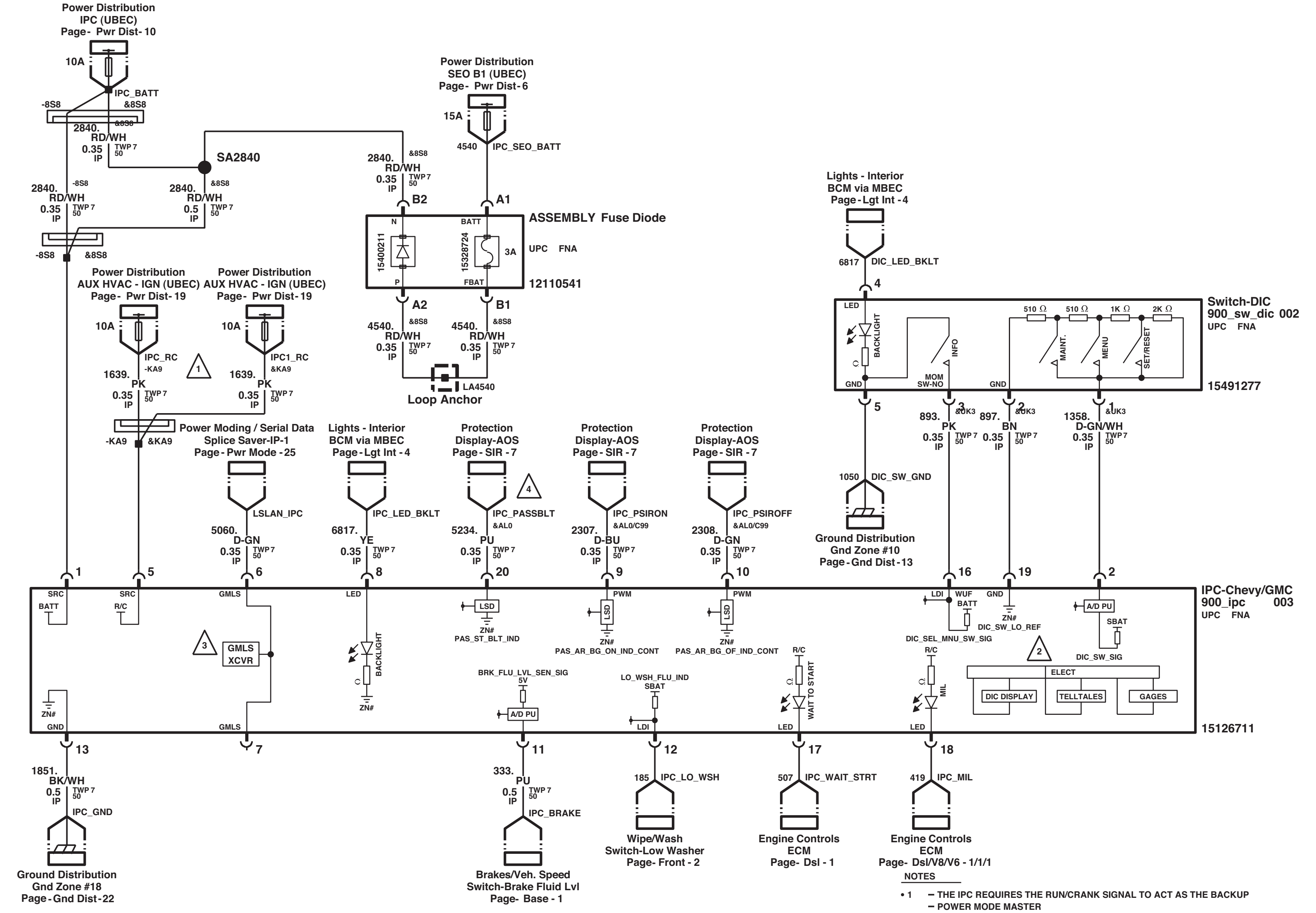
Tuesday, August 15, 2006
9:00:03 am 3
IEC/ESI

Displays: Instrument Panel Cluster
Cadillac DI01 Panel 1 of 1

&Z75

2008
GMT900
MVBS
System Status: Object Status:

Displays: Instrument Panel Cluster


Power Distribution
IPC (UBEC)
Page- Pwr Dist- 10
10A
IPC_BATT
-8S8
&8S8
2840.
RD/WH
0.35 TWP 7 50 IP
SA2840
2840.
RD/WH
0.35 TWP 7 50 IP
2840.
RD/WH
0.5 TWP 7 50 IP
-8S8 &8S8
Power Distribution
SEO B1 (UBEC)
Page- Pwr Dist- 6
15A
4540 IPC_SEO_BATT
2840. &8S8
RD/WH
0.35 TWP 7 50 IP
B2
A1
ASSEMBLY Fuse Diode
N
BATT
15400211
15328724
3A
UPC FNA
P
FBAT
12110541
A2
B1
4540. &8S8
RD/WH
0.35 TWP 7 50 IP
4540. &8S8
RD/WH
0.35 TWP 7 50 IP
LA4540
Loop Anchor
Power Distribution
AUX HVAC - IGN (UBEC)
Page- Pwr Dist- 19
10A
IPC_RC
-KA9
1639.
PK
0.35 TWP 7 50 IP
1
Power Distribution
AUX HVAC - IGN (UBEC)
Page- Pwr Dist- 19
10A
IPC1_RC
&KA9
1639.
PK
0.35 TWP 7 50 IP
-KA9 &KA9
Power Moding / Serial Data
Splice Saver-IP-1
Page - Pwr Mode - 25
LSLAN_IPC
5060.
D-GN
0.35 TWP 7 50 IP
Lights - Interior
BCM via MBEC
Page - Lgt Int - 4
IPC_LED_BKLT
6817.
YE
0.35 TWP 7 50 IP
Protection
Display-AOS
Page - SIR - 7
4
IPC_PASSBLT
&AL0
5234.
PU
0.35 TWP 7 50 IP
Protection
Display-AOS
Page - SIR - 7
IPC_PSIRON
&AL0/C99
2307.
D-BU
0.35 TWP 7 50 IP
Protection
Display-AOS
Page - SIR - 7
IPC_PSIROFF
&AL0/C99
2308.
D-GN
0.35 TWP 7 50 IP
Lights - Interior
BCM via MBEC
Page - Lgt Int - 4
6817 DIC_LED_BKLT
4
LED
BACKLIGHT
Ω
510 Ω
510 Ω
1K Ω
2K Ω
INFO
MAINT.
MENU
SET/RESET
GND
MOM SW-NO
GND
Switch-DIC
900_sw_dic 002
UPC FNA
15491277
5
3
2
1
893. &UK3
PK
0.35 TWP 7 50 IP
897. &UK3
BN
0.35 TWP 7 50 IP
1358. &UK3
D-GN/WH
0.35 TWP 7 50 IP
1050 DIC_SW_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13
1
5
6
8
20
9
10
16
19
2
SRC
BATT
SRC
R/C
GMLS
LED
LSD
ZN#
PAS_ST_BLT_IND
PWM
LSD
ZN#
PAS_AR_BG_ON_IND_CONT
PWM
LSD
ZN#
PAS_AR_BG_OF_IND_CONT
LDI
WUF
BATT
GND
ZN#
DIC_SW_LO_REF
DIC_SEL_MNU_SW_SIG
A/D PU
SBAT
DIC_SW_SIG
IPC-Chevy/GMC
900_ipc 003
UPC FNA
3
GMLS XCVR
BACKLIGHT
Ω
ZN#
BRK_FLU_LVL_SEN_SIG
5V
A/D PU
LO_WSH_FLU_IND
SBAT
R/C
Ω
WAIT TO START
R/C
Ω
MIL
2
ELECT
DIC DISPLAY
TELLTALES
GAGES
ZN#
GND
GMLS
LDI
LED
LED
15126711
13
7
11
12
17
18
1851.
BK/WH
0.5 TWP 7 50 IP
IPC_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
333.
PU
0.5 TWP 7 50 IP
IPC_BRAKE
Brakes/Veh. Speed
Switch-Brake Fluid Lvl
Page- Base - 1
185 IPC_LO_WSH
Wipe/Wash
Switch-Low Washer
Page- Front - 2
507 IPC_WAIT_STRT
Engine Controls
ECM
Page- Dsl - 1
419 IPC_MIL
Engine Controls
ECM
Page- Dsl/V8/V6 - 1/1/1

NOTES

- • 1 – THE IPC REQUIRES THE RUN/CRANK SIGNAL TO ACT AS THE BACKUP
  – POWER MODE MASTER
- • 2 – ALL GAGE & MOST OTHER DISPLAY INFORMATION IS RECEIVED VIA GMLAN.
- • 3 – THE IPC IS A "PRIMARY" LS GMLAN NODE, INSTEAD OF A "UNIT" LS GMLAN NODE.
- • 4 – CIRCUIT 5234 IS REQUIRED ON 03/53 HD PICKUPS FOR DIAGNOSTIC PURPOSES.

ARE16372
003
GMT900
GM Proprietary

Tuesday, October 24, 2006
9:36:00 am 11
IEC/ESI

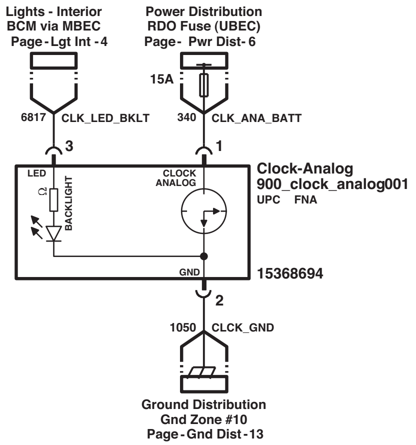
Displays: Instrument Panel Cluster

Chev/GMC DI01 Panel 1 of 1

&X88/Z88

2008
GMT900
MVBS
System Status: Object Status:

Displays: Analog Clock


Lights - Interior
BCM via MBEC
Page - Lgt Int - 4
Power Distribution
RDO Fuse (UBEC)
Page - Pwr Dist - 6
15A
6817
CLK_LED_BKLT
340
CLK_ANA_BATT
3
1
LED
Ω
BACKLIGHT
CLOCK
ANALOG
GND
Clock-Analog
900_clock_analog001
UPC FNA
15368694
2
1050
CLCK_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13

ARE16370
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
8:59:44 am 3
IEC/ESI

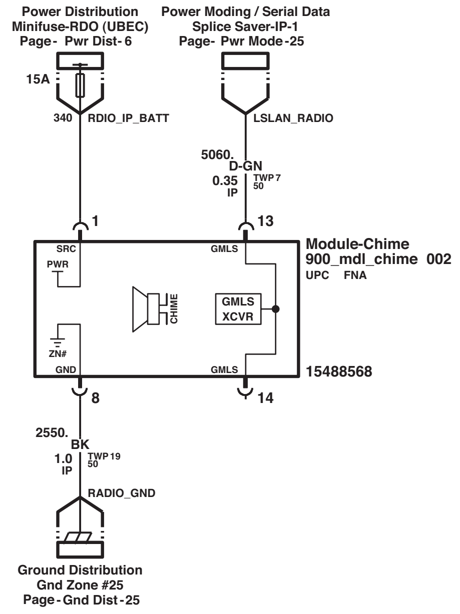
Displays: Analog Clock

DI07 Panel 1 of 1

&Z75

2008
GMT900
MVBS
System Status: Object Status:

Displays: Chime


Power Distribution
Minifuse-RDO (UBEC)
Page- Pwr Dist- 6
Power Moding / Serial Data
Splice Saver-IP-1
Page- Pwr Mode-25
15A
340
RDIO_IP_BATT
LSLAN_RADIO
5060.
D-GN
0.35
IP
TWP 7
50
1
13
SRC
PWR
GMLS
Module-Chime
900_mdl_chime 002
UPC FNA
CHIME
GMLS
XCVR
ZN#
GND
GMLS
15488568
8
14
2550.
BK
1.0
IP
TWP 19
50
RADIO_GND
Ground Distribution
Gnd Zone #25
Page-Gnd Dist-25

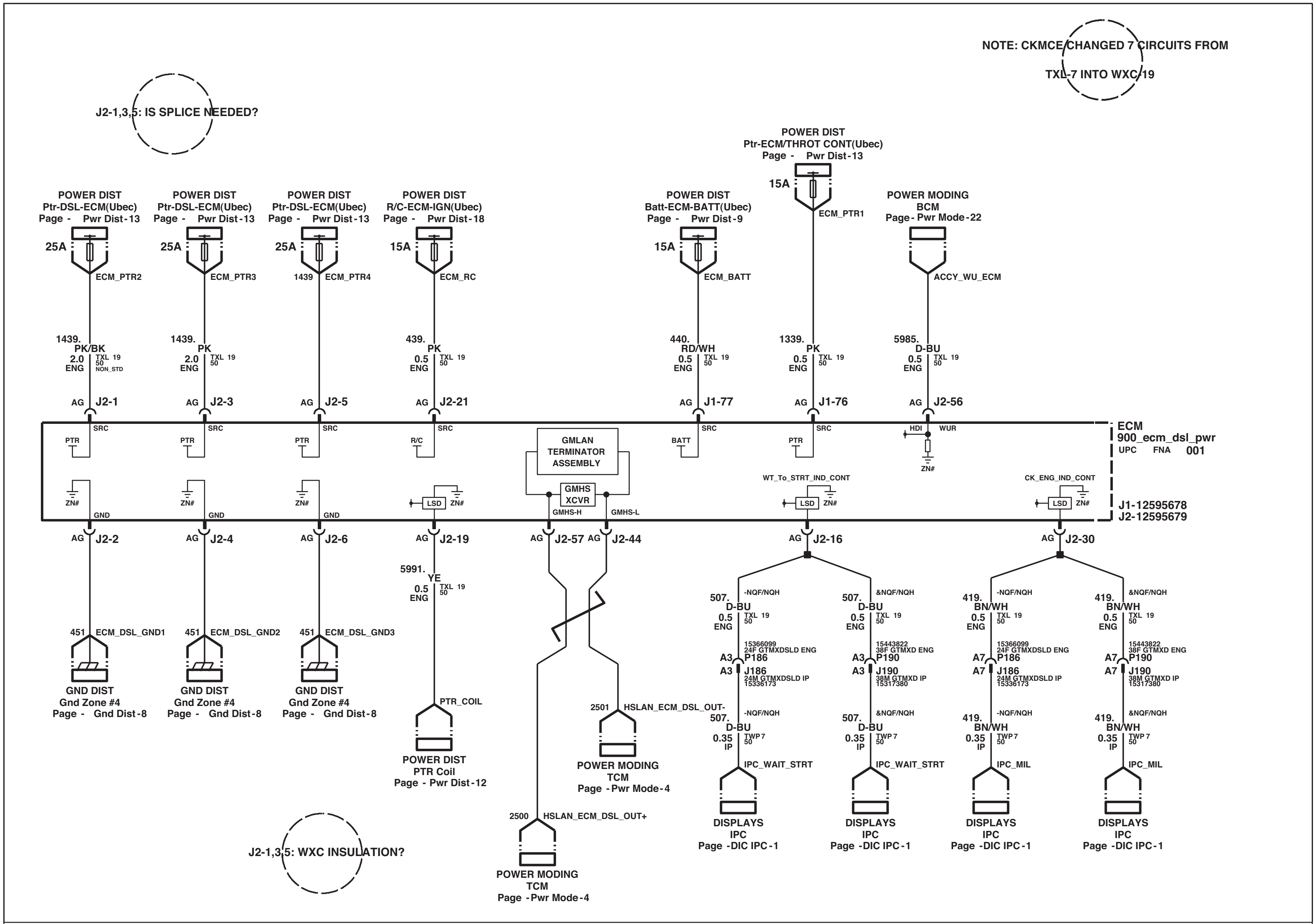
ARE16369
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
8:59:25 am 3
IEC/ESI

Displays: Chime
DI08 Panel 1 of 1 &UL5

2008
GMT900
MVBS
System Status: Object Status:

Engine Controls: Diesel


NOTE: CKMCE CHANGED 7 CIRCUITS FROM TXL-7 INTO WXC-19
J2-1,3,5: IS SPLICE NEEDED?
J2-1,3,5: WXC INSULATION?
POWER DIST Ptr-DSL-ECM(Ubec) Page - Pwr Dist-13
25A
ECM_PTR2
1439. PK/BK 2.0 ENG TXL 19 50 NON_STD
AG J2-1 SRC PTR
POWER DIST Ptr-DSL-ECM(Ubec) Page - Pwr Dist-13
25A
ECM_PTR3
1439. PK 2.0 ENG TXL 19 50
AG J2-3 SRC PTR
POWER DIST Ptr-DSL-ECM(Ubec) Page - Pwr Dist-13
25A
1439 ECM_PTR4
AG J2-5 SRC PTR
POWER DIST R/C-ECM-IGN(Ubec) Page - Pwr Dist-18
15A
ECM_RC
439. PK 0.5 ENG TXL 19 50
AG J2-21 SRC R/C
POWER DIST Batt-ECM-BATT(Ubec) Page - Pwr Dist-9
15A
ECM_BATT
440. RD/WH 0.5 ENG TXL 19 50
AG J1-77 SRC BATT
POWER DIST Ptr-ECM/THROT CONT(Ubec) Page - Pwr Dist-13
15A
ECM_PTR1
1339. PK 0.5 ENG TXL 19 50
AG J1-76 SRC PTR
POWER MODING BCM Page- Pwr Mode-22
ACCY_WU_ECM
5985. D-BU 0.5 ENG TXL 19 50
AG J2-56 HDI WUR ZN#
ECM 900_ecm_dsl_pwr UPC FNA 001
J1-12595678 J2-12595679
GMLAN TERMINATOR ASSEMBLY
GMHS XCVR
GMHS-H GMHS-L
WT_To_STRT_IND_CONT
CK_ENG_IND_CONT
LSD ZN#
ZN# GND
AG J2-2
AG J2-4
AG J2-6
AG J2-19
AG J2-57 AG J2-44
AG J2-16
AG J2-30
451 ECM_DSL_GND1
451 ECM_DSL_GND2
451 ECM_DSL_GND3
GND DIST Gnd Zone #4 Page - Gnd Dist-8
5991. YE 0.5 ENG TXL 19 50
PTR_COIL
POWER DIST PTR Coil Page - Pwr Dist-12
2501 HSLAN_ECM_DSL_OUT-
POWER MODING TCM Page -Pwr Mode-4
2500 HSLAN_ECM_DSL_OUT+
POWER MODING TCM Page -Pwr Mode-4
507. D-BU 0.5 ENG TXL 19 50 -NQF/NQH
15366099 24F GTMXDSLD ENG A3 P186
A3 J186 24M GTMXDSLD IP 15336173
507. D-BU 0.35 IP TWP 7 50 -NQF/NQH
IPC_WAIT_STRT
507. D-BU 0.5 ENG TXL 19 50 &NQF/NQH
15443822 38F GTMXD ENG A3 P190
A3 J190 38M GTMXD IP 15317380
507. D-BU 0.35 IP TWP 7 50 &NQF/NQH
IPC_WAIT_STRT
419. BN/WH 0.5 ENG TXL 19 50 -NQF/NQH
15366099 24F GTMXDSLD ENG A7 P186
A7 J186 24M GTMXDSLD IP 15336173
419. BN/WH 0.35 IP TWP 7 50 -NQF/NQH
IPC_MIL
419. BN/WH 0.5 ENG TXL 19 50 &NQF/NQH
15443822 38F GTMXD ENG A7 P190
A7 J190 38M GTMXD IP 15317380
419. BN/WH 0.35 IP TWP 7 50 &NQF/NQH
IPC_MIL
DISPLAYS IPC Page -DIC IPC-1

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 1 of 20

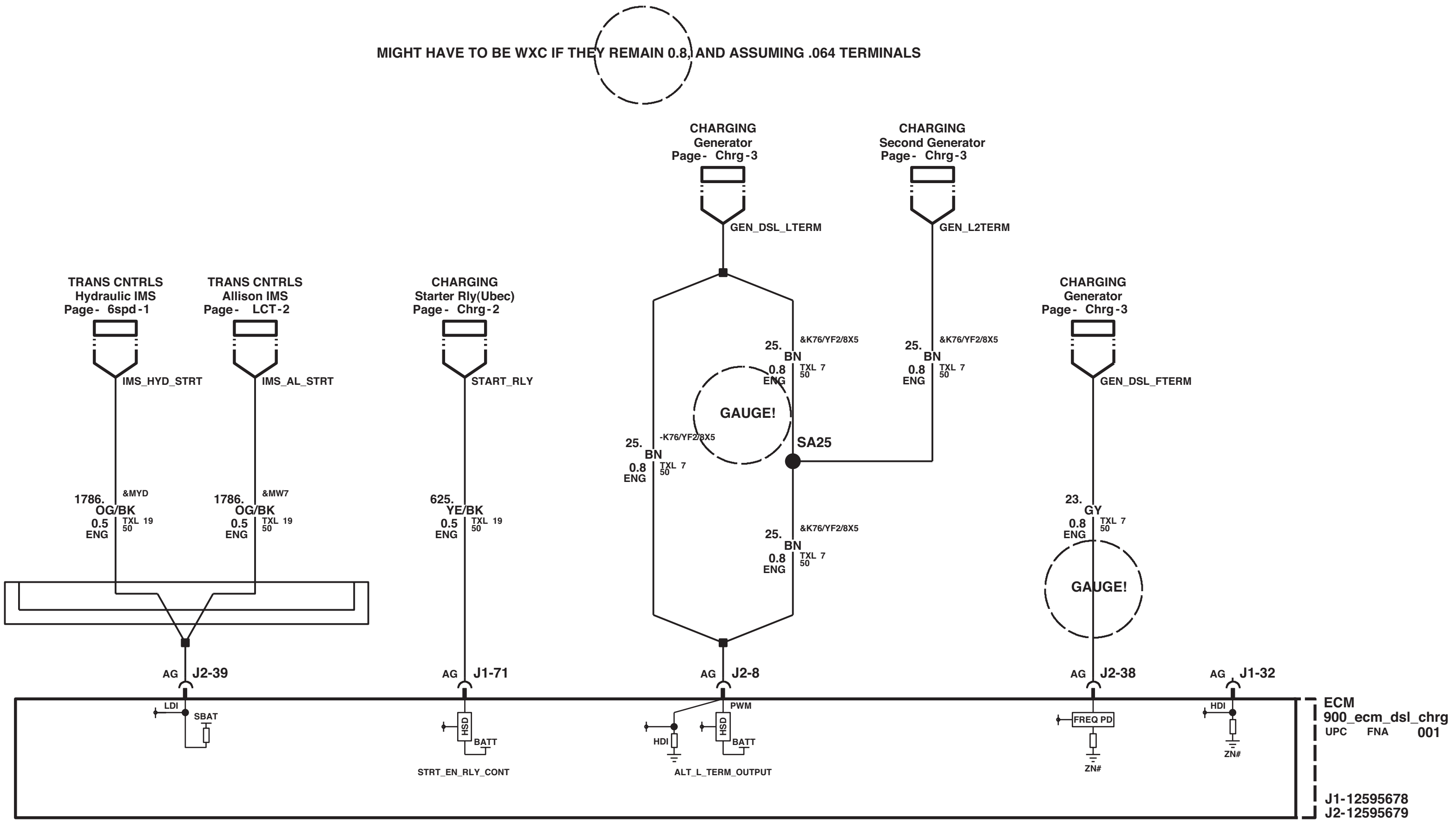
Panel Set: 1

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


MIGHT HAVE TO BE WXC IF THEY REMAIN 0.8, AND ASSUMING .064 TERMINALS
CHARGING
Generator
Page - Chrg - 3
GEN_DSL_LTERM
CHARGING
Second Generator
Page - Chrg - 3
GEN_L2TERM
TRANS CNTRLS
Hydraulic IMS
Page - 6spd - 1
IMS_HYD_STRT
TRANS CNTRLS
Allison IMS
Page - LCT - 2
IMS_AL_STRT
CHARGING
Starter Rly(Ubec)
Page - Chrg - 2
START_RLY
CHARGING
Generator
Page - Chrg - 3
GEN_DSL_FTERM
25. BN 0.8 ENG TXL 7 50 &K76/YF2/8X5
25. BN 0.8 ENG TXL 7 50 &K76/YF2/8X5
GAUGE!
25. BN 0.8 ENG TXL 7 50 -K76/YF2/8X5
SA25
1786. OG/BK 0.5 ENG TXL 19 50 &MYD
1786. OG/BK 0.5 ENG TXL 19 50 &MW7
625. YE/BK 0.5 ENG TXL 19 50
25. BN 0.8 ENG TXL 7 50 &K76/YF2/8X5
23. GY 0.8 ENG TXL 7 50
GAUGE!
AG J2-39
AG J1-71
AG J2-8
AG J2-38
AG J1-32
LDI
SBAT
HSD
BATT
STRT_EN_RLY_CONT
PWM
HDI
HSD
BATT
ALT_L_TERM_OUTPUT
FREQ PD
ZN#
HDI
ZN#
ECM
900_ecm_dsl_chrg
UPC FNA 001
J1-12595678
J2-12595679

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 2 of 20

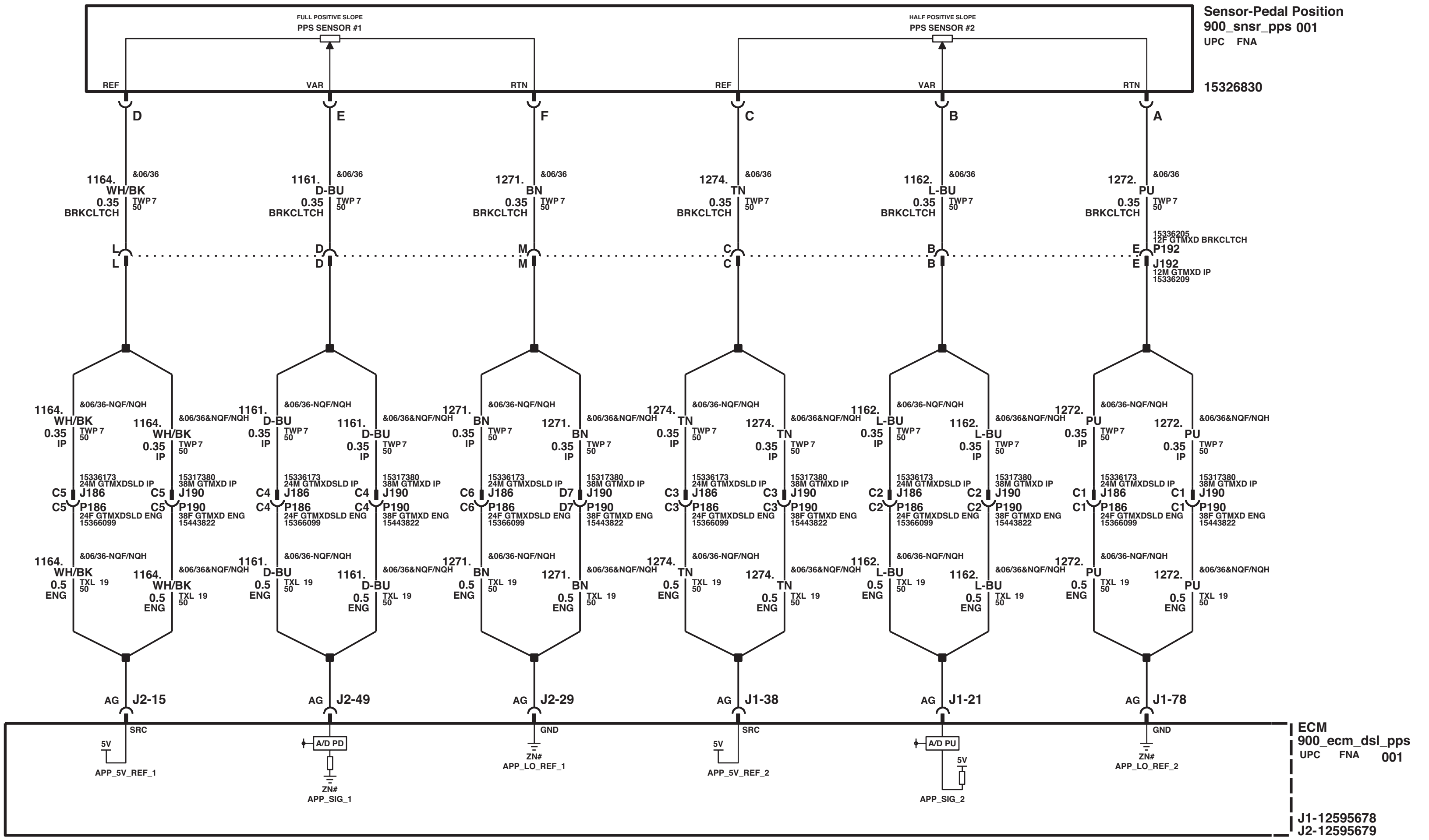
Panel Set: 2

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel

PPS INLINE SETUP FOR UTILITIES


FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
REF VAR RTN REF VAR RTN
D E F C B A
1164. WH/BK 0.35 BRKCLTCH &06/36 TWP 7 50
1161. D-BU 0.35 BRKCLTCH &06/36 TWP 7 50
1271. BN 0.35 BRKCLTCH &06/36 TWP 7 50
1274. TN 0.35 BRKCLTCH &06/36 TWP 7 50
1162. L-BU 0.35 BRKCLTCH &06/36 TWP 7 50
1272. PU 0.35 BRKCLTCH &06/36 TWP 7 50
L L D D M M C C B B E E
15336205 12F GTMXD BRKCLTCH P192
J192 12M GTMXD IP 15336209
&06/36-NQF/NQH
&06/36&NQF/NQH
1164. WH/BK 0.35 IP TWP 7 50
1161. D-BU 0.35 IP TWP 7 50
1271. BN 0.35 IP TWP 7 50
1274. TN 0.35 IP TWP 7 50
1162. L-BU 0.35 IP TWP 7 50
1272. PU 0.35 IP TWP 7 50
15336173 24M GTMXDSLD IP J186
15317380 38M GTMXD IP J190
P186 24F GTMXDSLD ENG 15366099
P190 38F GTMXD ENG 15443822
C5 C5 C5 C5
C4 C4 C4 C4
C6 C6 D7 D7
C3 C3 C3 C3
C2 C2 C2 C2
C1 C1 C1 C1
1164. WH/BK 0.5 ENG TXL 19 50
1161. D-BU 0.5 ENG TXL 19 50
1271. BN 0.5 ENG TXL 19 50
1274. TN 0.5 ENG TXL 19 50
1162. L-BU 0.5 ENG TXL 19 50
1272. PU 0.5 ENG TXL 19 50
AG J2-15
AG J2-49
AG J2-29
AG J1-38
AG J1-21
AG J1-78
SRC 5V APP_5V_REF_1
A/D PD ZN# APP_SIG_1
GND ZN# APP_LO_REF_1
SRC 5V APP_5V_REF_2
A/D PU 5V APP_SIG_2
GND ZN# APP_LO_REF_2
ECM
900_ecm_dsl_pps
UPC FNA 001
J1-12595678
J2-12595679

ARE16373
003
GMT900
GM Proprietary

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IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 3 of 20

Panel Set: 3

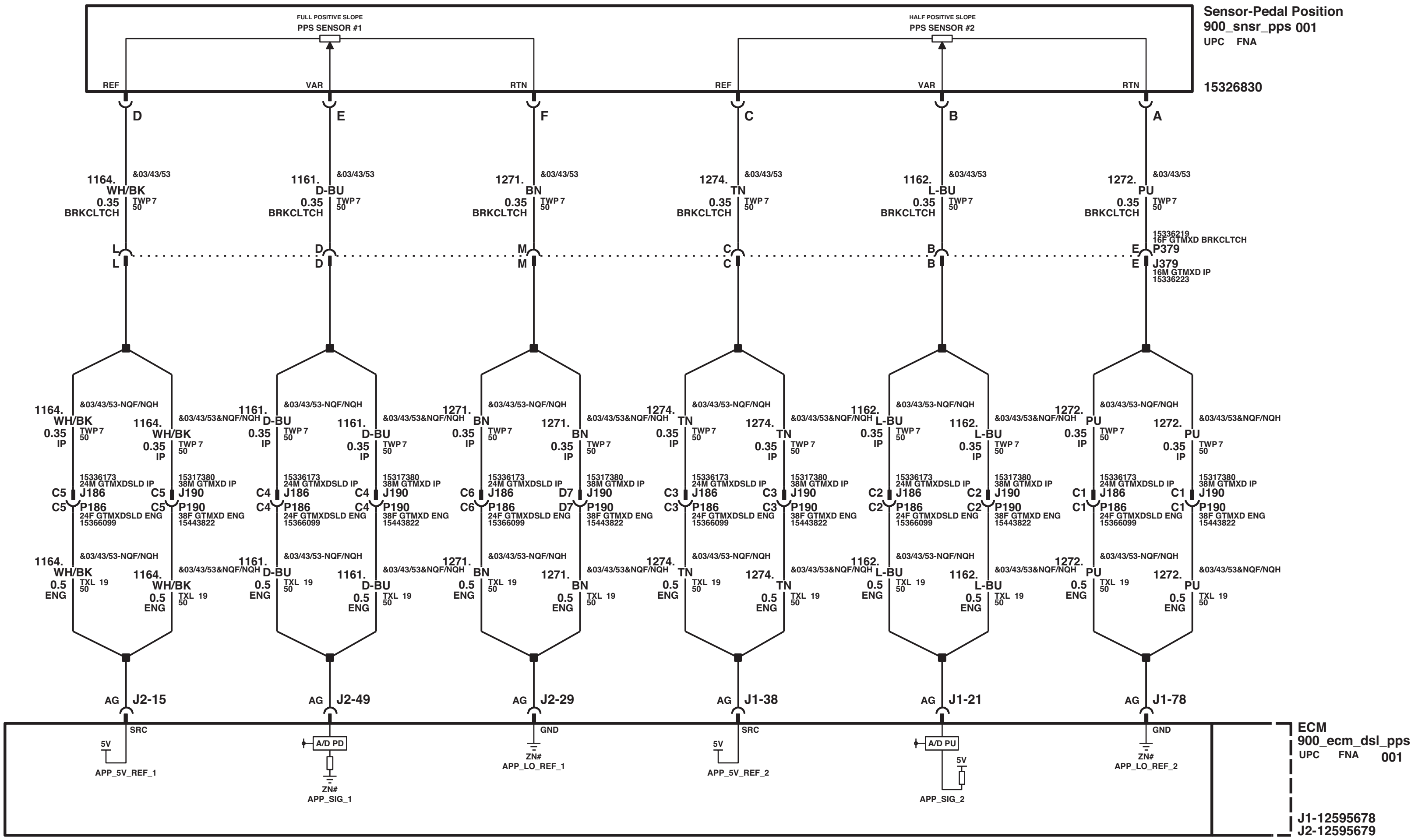
&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel

PPS INLINE SETUP FOR PICK-UPS


FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
REF
VAR
RTN
D
E
F
C
B
A
&03/43/53
1164. WH/BK 0.35 BRKCLTCH TWP 7 50
1161. D-BU 0.35 BRKCLTCH TWP 7 50
1271. BN 0.35 BRKCLTCH TWP 7 50
1274. TN 0.35 BRKCLTCH TWP 7 50
1162. L-BU 0.35 BRKCLTCH TWP 7 50
1272. PU 0.35 BRKCLTCH TWP 7 50
L
M
15336219
16F GTMXD BRKCLTCH
P379
J379
16M GTMXD IP
15336223
&03/43/53-NQF/NQH
&03/43/53&NQF/NQH
0.35 IP
15336173
24M GTMXDSLD IP
J186
P186
24F GTMXDSLD ENG
15366099
15317380
38M GTMXD IP
J190
P190
38F GTMXD ENG
15443822
C5
C4
C6
D7
C3
C2
C1
0.5 ENG
TXL 19 50
AG
J2-15
J2-49
J2-29
J1-38
J1-21
J1-78
SRC
GND
5V
APP_5V_REF_1
A/D PD
ZN#
APP_SIG_1
APP_LO_REF_1
APP_5V_REF_2
A/D PU
APP_SIG_2
APP_LO_REF_2
ECM
900_ecm_dsl_pps
UPC FNA 001
J1-12595678
J2-12595679

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IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 4 of 20

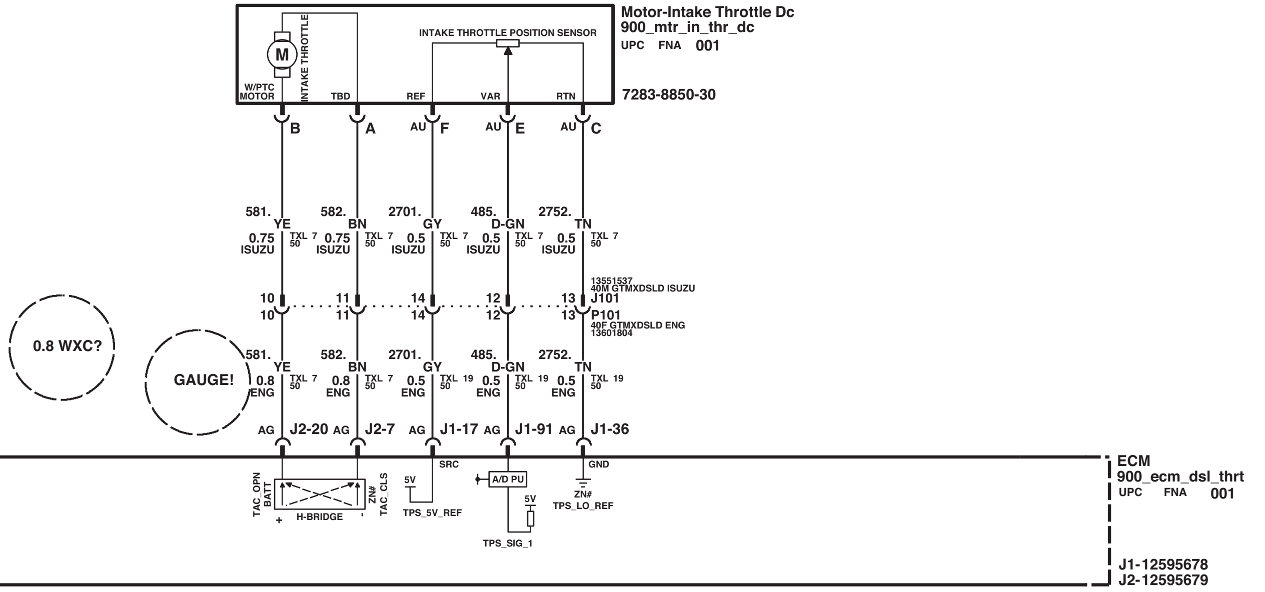
Panel Set: 4

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


Motor-Intake Throttle Dc
900_mtr_in_thr_dc
UPC FNA 001
7283-8850-30
M
INTAKE THROTTLE
W/PTC MOTOR
TBD
INTAKE THROTTLE POSITION SENSOR
REF
VAR
RTN
B
A
AU F
AU E
AU C
581. YE 0.75 ISUZU TXL 7 50
582. BN 0.75 ISUZU TXL 7 50
2701. GY 0.5 ISUZU TXL 7 50
485. D-GN 0.5 ISUZU TXL 7 50
2752. TN 0.5 ISUZU TXL 7 50
13551537
40M GTMXDSLD ISUZU
J101
10 11 14 12 13
10 11 14 12 13
P101
40F GTMXDSLD ENG
13601804
0.8 WXC?
GAUGE!
581. YE 0.8 ENG TXL 7 50
582. BN 0.8 ENG TXL 7 50
2701. GY 0.5 ENG TXL 19 50
485. D-GN 0.5 ENG TXL 19 50
2752. TN 0.5 ENG TXL 19 50
AG J2-20
AG J2-7
AG J1-17
AG J1-91
AG J1-36
TAC_OPN
BATT
+
H-BRIDGE
-
ZN#
TAC_CLS
SRC
5V
TPS_5V_REF
A/D PU
5V
TPS_SIG_1
GND
ZN#
TPS_LO_REF
ECM
900_ecm_dsl_thrt
UPC FNA 001
J1-12595678
J2-12595679

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GMT900
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Engine Controls: Dsl

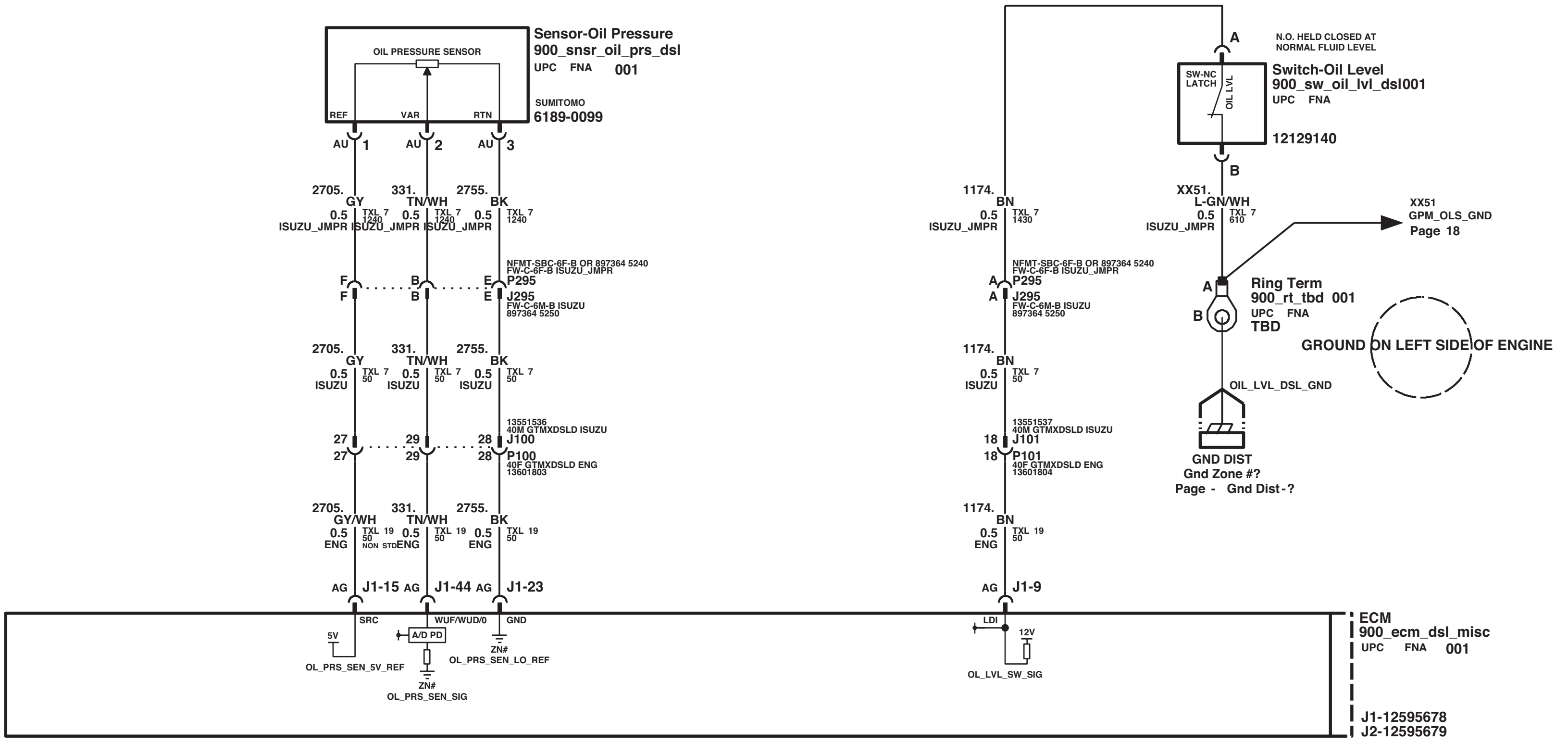
1_08_eng_ctrl_dsl Panel 5 of 20

Panel Set: 5

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


Sensor-Oil Pressure
900_snsr_oil_prs_dsl
UPC FNA 001
SUMITOMO
6189-0099
OIL PRESSURE SENSOR
REF
VAR
RTN
AU 1
AU 2
AU 3
2705. GY 0.5 TXL 7 1240 ISUZU_JMPR
331. TN/WH 0.5 TXL 7 1240 ISUZU_JMPR
2755. BK 0.5 TXL 7 1240 ISUZU_JMPR
NFMT-SBC-6F-B OR 897364 5240
FW-C-6F-B ISUZU_JMPR
F B E P295
F B E J295
FW-C-6M-B ISUZU
897364 5250
2705. GY 0.5 TXL 7 50 ISUZU
331. TN/WH 0.5 TXL 7 50 ISUZU
2755. BK 0.5 TXL 7 50 ISUZU
13551536
40M GTMXDSLD ISUZU
27 29 28 J100
27 29 28 P100
40F GTMXDSLD ENG
13601803
2705. GY/WH 0.5 TXL 19 50 NON_STD ENG
331. TN/WH 0.5 TXL 19 50 ENG
2755. BK 0.5 TXL 19 50 ENG
AG J1-15
AG J1-44
AG J1-23
SRC
WUF/WUD/0
GND
5V
A/D PD
OL_PRS_SEN_5V_REF
ZN#
OL_PRS_SEN_SIG
ZN#
OL_PRS_SEN_LO_REF
A
N.O. HELD CLOSED AT
NORMAL FLUID LEVEL
SW-NC
LATCH
OIL LVL
Switch-Oil Level
900_sw_oil_lvl_dsl001
UPC FNA
12129140
B
1174. BN 0.5 TXL 7 1430 ISUZU_JMPR
XX51. L-GN/WH 0.5 TXL 7 610 ISUZU_JMPR
XX51
GPM_OLS_GND
Page 18
NFMT-SBC-6F-B OR 897364 5240
FW-C-6F-B ISUZU_JMPR
A P295
A J295
FW-C-6M-B ISUZU
897364 5250
A
B
Ring Term
900_rt_tbd 001
UPC FNA
TBD
GROUND ON LEFT SIDE OF ENGINE
OIL_LVL_DSL_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist - ?
1174. BN 0.5 TXL 7 50 ISUZU
13551537
40M GTMXDSLD ISUZU
18 J101
18 P101
40F GTMXDSLD ENG
13601804
1174. BN 0.5 TXL 19 50 ENG
AG J1-9
LDI
12V
OL_LVL_SW_SIG
ECM
900_ecm_dsl_misc
UPC FNA 001
J1-12595678
J2-12595679

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GMT900
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IEC/ESI

Engine Controls: Dsl

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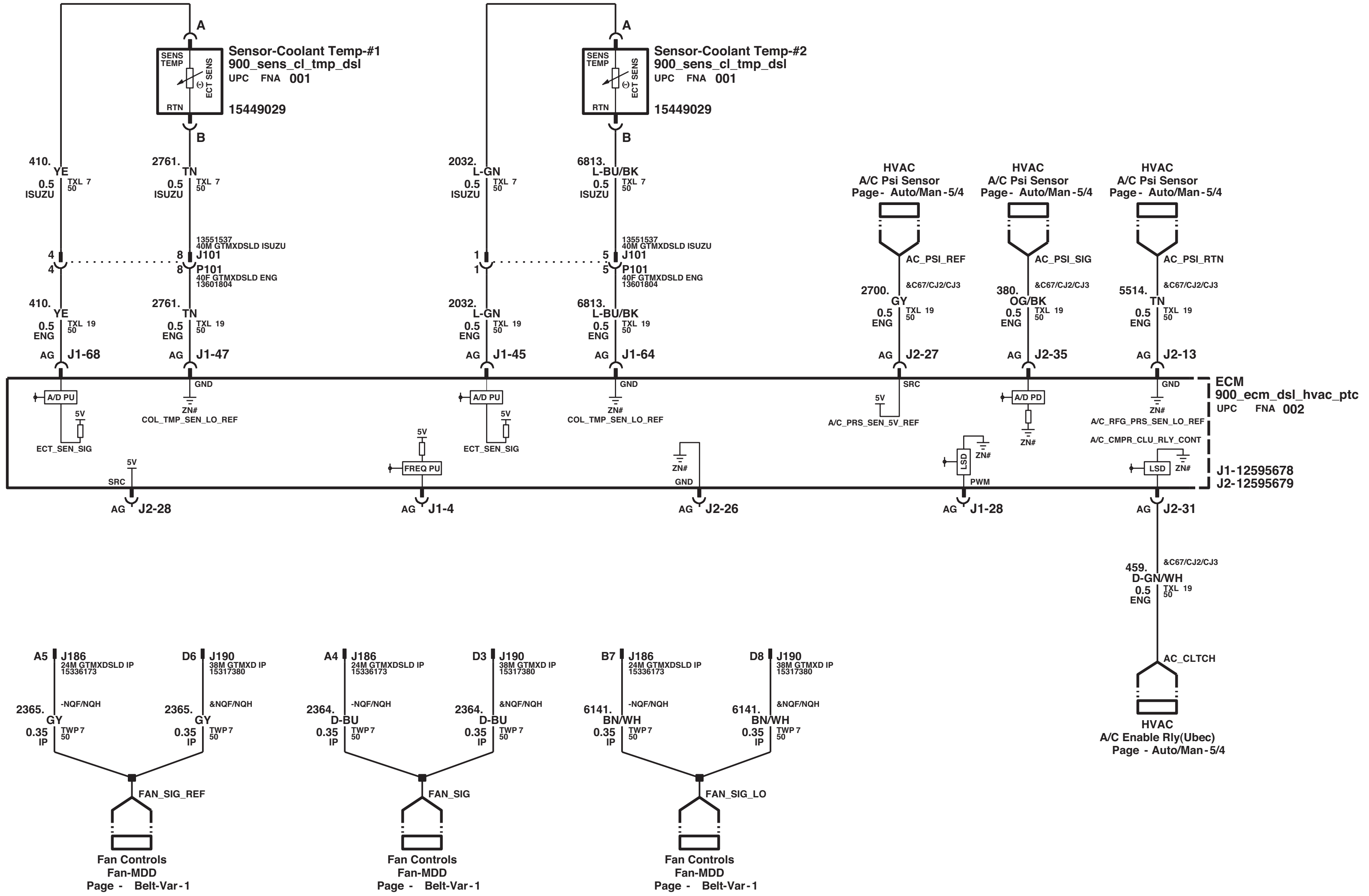
Panel Set: 6

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


A
SENS TEMP
ECT SENS
RTN
Sensor-Coolant Temp-#1
900_sens_cl_tmp_dsl
UPC FNA 001
15449029
B
Sensor-Coolant Temp-#2
900_sens_cl_tmp_dsl
UPC FNA 001
15449029
410. YE 0.5 ISUZU TXL 7 50
2761. TN 0.5 ISUZU TXL 7 50
2032. L-GN 0.5 ISUZU TXL 7 50
6813. L-BU/BK 0.5 ISUZU TXL 7 50
13551537 40M GTMXDSLD ISUZU J101
P101 40F GTMXDSLD ENG 13601804
4 4 8 8 1 1 5 5
410. YE 0.5 ENG TXL 19 50
2761. TN 0.5 ENG TXL 19 50
2032. L-GN 0.5 ENG TXL 19 50
6813. L-BU/BK 0.5 ENG TXL 19 50
HVAC A/C Psi Sensor Page - Auto/Man-5/4
AC_PSI_REF
AC_PSI_SIG
AC_PSI_RTN
&C67/CJ2/CJ3
2700. GY 0.5 ENG TXL 19 50
380. OG/BK 0.5 ENG TXL 19 50
5514. TN 0.5 ENG TXL 19 50
AG J1-68
AG J1-47
AG J1-45
AG J1-64
AG J2-27
AG J2-35
AG J2-13
A/D PU
5V
ECT_SEN_SIG
GND
ZN#
COL_TMP_SEN_LO_REF
SRC
A/C_PRS_SEN_5V_REF
A/D PD
A/C_RFG_PRS_SEN_LO_REF
A/C_CMPR_CLU_RLY_CONT
FREQ PU
LSD
PWM
ECM
900_ecm_dsl_hvac_ptc
UPC FNA 002
J1-12595678
J2-12595679
AG J2-28
AG J1-4
AG J2-26
AG J1-28
AG J2-31
459. D-GN/WH 0.5 ENG TXL 19 50
AC_CLTCH
HVAC A/C Enable Rly(Ubec) Page - Auto/Man-5/4
A5 J186 24M GTMXDSLD IP 15336173
D6 J190 38M GTMXD IP 15317380
A4 J186 24M GTMXDSLD IP 15336173
D3 J190 38M GTMXD IP 15317380
B7 J186 24M GTMXDSLD IP 15336173
D8 J190 38M GTMXD IP 15317380
-NQF/NQH
&NQF/NQH
2365. GY 0.35 IP TWP 7 50
2364. D-BU 0.35 IP TWP 7 50
6141. BN/WH 0.35 IP TWP 7 50
FAN_SIG_REF
FAN_SIG
FAN_SIG_LO
Fan Controls Fan-MDD Page - Belt-Var-1

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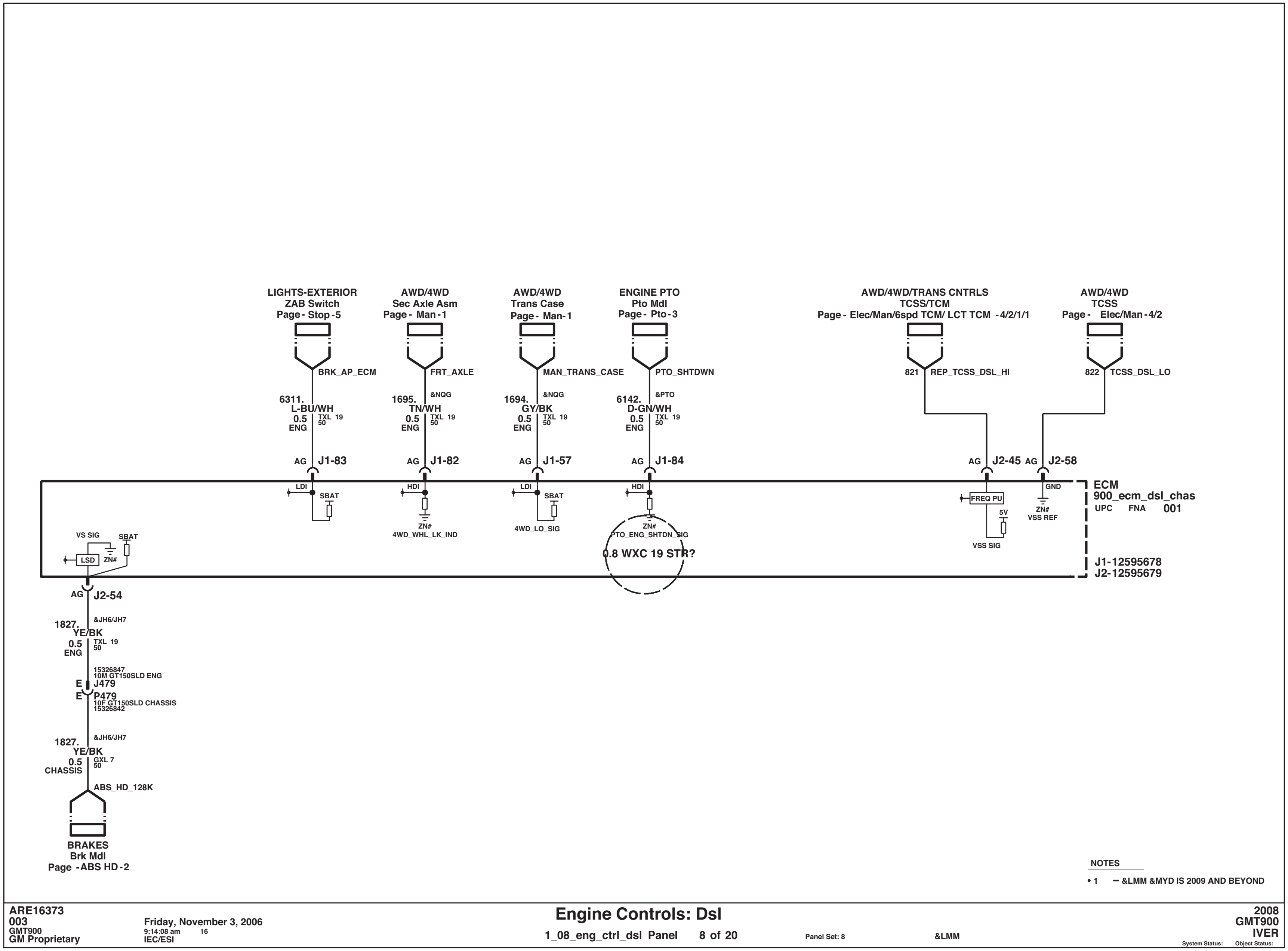
Engine Controls: Dsl

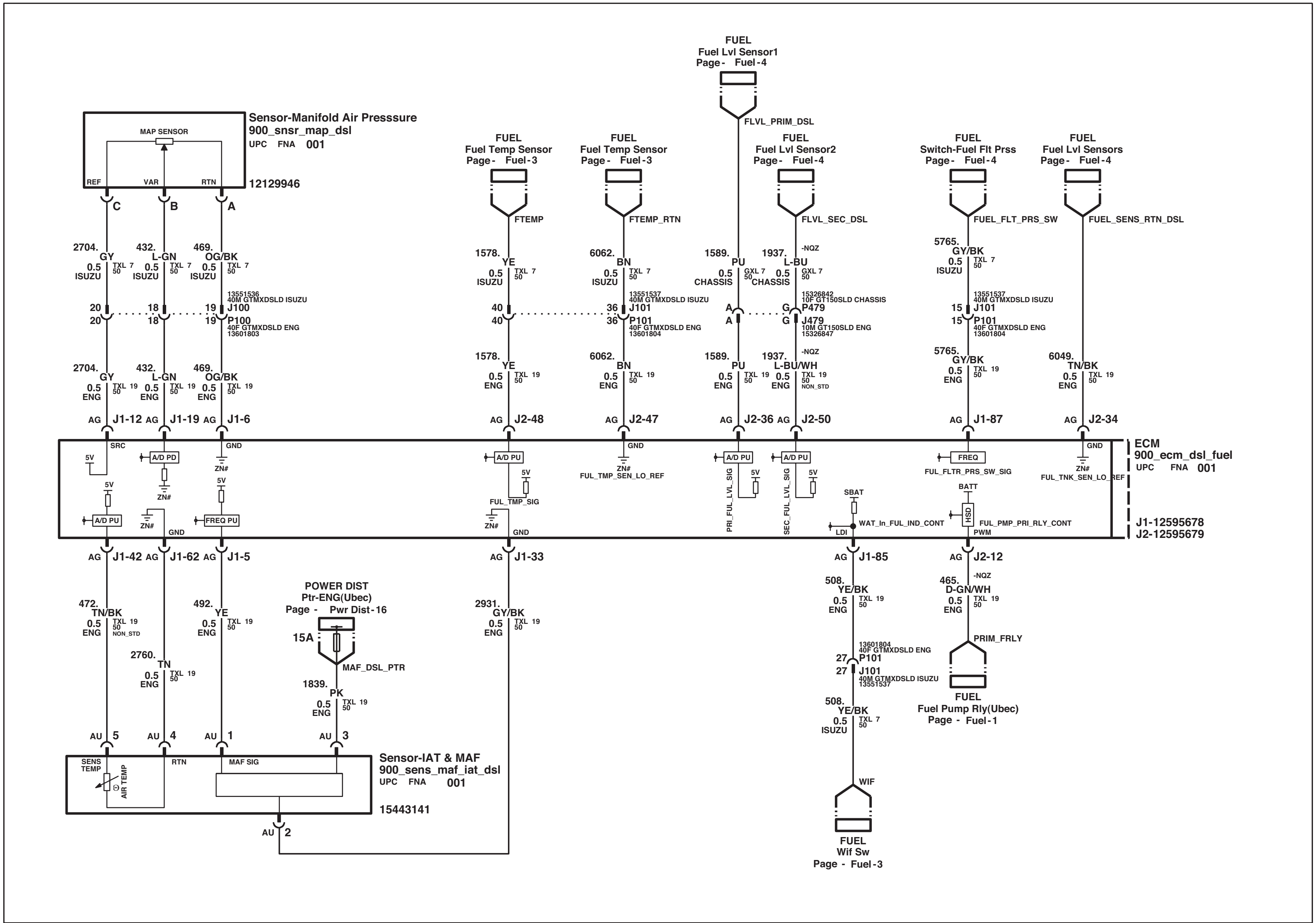
1_08_eng_ctrl_dsl Panel 7 of 20 Panel Set: 7 &LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


LIGHTS-EXTERIOR
ZAB Switch
Page - Stop - 5
AWD/4WD
Sec Axle Asm
Page - Man - 1
AWD/4WD
Trans Case
Page - Man - 1
ENGINE PTO
Pto Mdl
Page - Pto - 3
AWD/4WD/TRANS CNTRLS
TCSS/TCM
Page - Elec/Man/6spd TCM/ LCT TCM - 4/2/1/1
AWD/4WD
TCSS
Page - Elec/Man - 4/2
BRK_AP_ECM
FRT_AXLE
MAN_TRANS_CASE
PTO_SHTDWN
821 REP_TCSS_DSL_HI
822 TCSS_DSL_LO
6311.
L-BU/WH
0.5 TXL 19 50
ENG
1695. &NQG
TN/WH
0.5 TXL 19 50
ENG
1694. &NQG
GY/BK
0.5 TXL 19 50
ENG
6142. &PTO
D-GN/WH
0.5 TXL 19 50
ENG
AG J1-83
AG J1-82
AG J1-57
AG J1-84
AG J2-45
AG J2-58
LDI
SBAT
HDI
ZN#
4WD_WHL_LK_IND
LDI
SBAT
4WD_LO_SIG
HDI
ZN#
PTO_ENG_SHTDN_SIG
0.8 WXC 19 STR?
FREQ PU
5V
VSS SIG
GND
ZN#
VSS REF
ECM
900_ecm_dsl_chas
UPC FNA 001
J1-12595678
J2-12595679
VS SIG
SBAT
LSD
ZN#
AG J2-54
1827. &JH6/JH7
YE/BK
0.5 TXL 19 50
ENG
15326847
10M GT150SLD ENG
E J479
E P479
10F GT150SLD CHASSIS
15326842
1827. &JH6/JH7
YE/BK
0.5 GXL 7 50
CHASSIS
ABS_HD_128K
BRAKES
Brk Mdl
Page - ABS HD - 2
NOTES
• 1 – &LMM &MYD IS 2009 AND BEYOND
ARE16373
003
GMT900
GM Proprietary
Friday, November 3, 2006
9:14:08 am 16
IEC/ESI
Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 8 of 20
Panel Set: 8
&LMM
2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


FUEL
Fuel Lvl Sensor1
Page - Fuel-4
FLVL_PRIM_DSL
Sensor-Manifold Air Presssure
900_snsr_map_dsl
UPC FNA 001
MAP SENSOR
REF
VAR
RTN
12129946
C
B
A
FUEL
Fuel Temp Sensor
Page - Fuel-3
FTEMP
FUEL
Fuel Temp Sensor
Page - Fuel-3
FTEMP_RTN
FUEL
Fuel Lvl Sensor2
Page - Fuel-4
FLVL_SEC_DSL
FUEL
Switch-Fuel Flt Prss
Page - Fuel-4
FUEL_FLT_PRS_SW
FUEL
Fuel Lvl Sensors
Page - Fuel-4
FUEL_SENS_RTN_DSL
2704. GY 0.5 ISUZU TXL 7 50
432. L-GN 0.5 ISUZU TXL 7 50
469. OG/BK 0.5 ISUZU TXL 7 50
13551536 40M GTMXDSLD ISUZU
20 18 19 J100
20 18 19 P100
40F GTMXDSLD ENG 13601803
1578. YE 0.5 ISUZU TXL 7 50
6062. BN 0.5 ISUZU TXL 7 50
13551537 40M GTMXDSLD ISUZU
40 36 J101
40 36 P101
40F GTMXDSLD ENG 13601804
1589. PU 0.5 CHASSIS GXL 7 50
1937. L-BU 0.5 CHASSIS GXL 7 50 -NQZ
15326842 10F GT150SLD CHASSIS
A G P479
A G J479
10M GT150SLD ENG 15326847
5765. GY/BK 0.5 ISUZU TXL 7 50
13551537 40M GTMXDSLD ISUZU
15 J101
15 P101
40F GTMXDSLD ENG 13601804
2704. GY 0.5 ENG TXL 19 50
432. L-GN 0.5 ENG TXL 19 50
469. OG/BK 0.5 ENG TXL 19 50
1578. YE 0.5 ENG TXL 19 50
6062. BN 0.5 ENG TXL 19 50
1589. PU 0.5 ENG TXL 19 50
1937. L-BU/WH 0.5 ENG TXL 19 50 NON_STD -NQZ
5765. GY/BK 0.5 ENG TXL 19 50
6049. TN/BK 0.5 ENG TXL 19 50
AG J1-12
AG J1-19
AG J1-6
AG J2-48
AG J2-47
AG J2-36
AG J2-50
AG J1-87
AG J2-34
SRC
5V
A/D PD
GND
ZN#
5V
ZN#
5V
A/D PU
ZN#
GND
FREQ PU
A/D PU
5V
FUL_TMP_SIG
ZN#
GND
GND
ZN#
FUL_TMP_SEN_LO_REF
A/D PU
5V
PRI_FUL_LVL_SIG
A/D PU
5V
SEC_FUL_LVL_SIG
SBAT
LDI
WAT_In_FUL_IND_CONT
FREQ
FUL_FLTR_PRS_SW_SIG
BATT
HSD
FUL_PMP_PRI_RLY_CONT
PWM
GND
ZN#
FUL_TNK_SEN_LO_REF
ECM
900_ecm_dsl_fuel
UPC FNA 001
J1-12595678
J2-12595679
AG J1-42
AG J1-62
AG J1-5
AG J1-33
AG J1-85
AG J2-12
472. TN/BK 0.5 ENG TXL 19 50 NON_STD
2760. TN 0.5 ENG TXL 19 50
492. YE 0.5 ENG TXL 19 50
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
MAF_DSL_PTR
1839. PK 0.5 ENG TXL 19 50
2931. GY/BK 0.5 ENG TXL 19 50
508. YE/BK 0.5 ENG TXL 19 50
13601804 40F GTMXDSLD ENG
27 P101
27 J101
40M GTMXDSLD ISUZU 13551537
508. YE/BK 0.5 ISUZU TXL 7 50
WIF
FUEL
Wif Sw
Page - Fuel-3
465. D-GN/WH 0.5 ENG TXL 19 50 -NQZ
PRIM_FRLY
FUEL
Fuel Pump Rly(Ubec)
Page - Fuel-1
AU 5
AU 4
AU 1
AU 3
SENS TEMP
AIR TEMP
RTN
MAF SIG
Sensor-IAT & MAF
900_sens_maf_iat_dsl
UPC FNA 001
15443141
AU 2

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Engine Controls: Dsl

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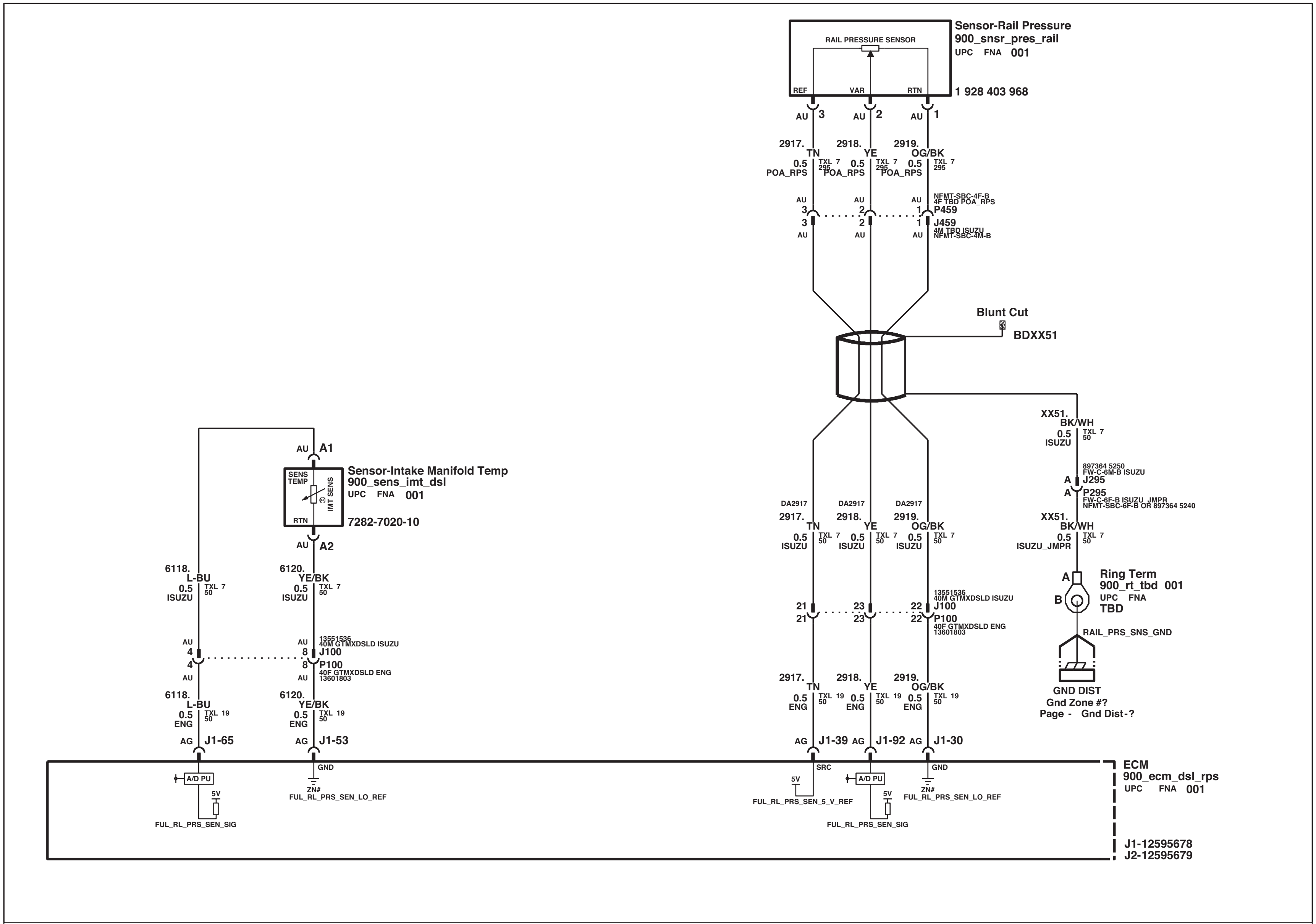
Panel Set: 9

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel



Sensor-Rail Pressure
900_snsr_pres_rail
UPC FNA 001
RAIL PRESSURE SENSOR
REF
VAR
RTN
1 928 403 968
AU 3
AU 2
AU 1
2917. TN 0.5 TXL 7 295 POA_RPS
2918. YE 0.5 TXL 7 295 POA_RPS
2919. OG/BK 0.5 TXL 7 295 POA_RPS
NFMT-SBC-4F-B
4F TBD POA_RPS
P459
J459
4M TBD ISUZU
NFMT-SBC-4M-B
Blunt Cut
BDXX51
XX51. BK/WH 0.5 TXL 7 50 ISUZU
897364 5250
FW-C-6M-B ISUZU
A J295
A P295
FW-C-6F-B ISUZU_JMPR
NFMT-SBC-6F-B OR 897364 5240
XX51. BK/WH 0.5 TXL 7 50 ISUZU_JMPR
Ring Term
900_rt_tbd 001
UPC FNA
TBD
RAIL_PRS_SNS_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist-?
DA2917
2917. TN 0.5 TXL 7 50 ISUZU
2918. YE 0.5 TXL 7 50 ISUZU
2919. OG/BK 0.5 TXL 7 50 ISUZU
13551536
40M GTMXDSLD ISUZU
J100
P100
40F GTMXDSLD ENG
13601803
2917. TN 0.5 TXL 19 50 ENG
2918. YE 0.5 TXL 19 50 ENG
2919. OG/BK 0.5 TXL 19 50 ENG
AG J1-39
AG J1-92
AG J1-30
Sensor-Intake Manifold Temp
900_sens_imt_dsl
UPC FNA 001
SENS TEMP
IMT SENS
RTN
7282-7020-10
AU A1
AU A2
6118. L-BU 0.5 TXL 7 50 ISUZU
6120. YE/BK 0.5 TXL 7 50 ISUZU
6118. L-BU 0.5 TXL 19 50 ENG
6120. YE/BK 0.5 TXL 19 50 ENG
AG J1-65
AG J1-53
A/D PU
5V
FUL_RL_PRS_SEN_SIG
GND
ZN#
FUL_RL_PRS_SEN_LO_REF
SRC
FUL_RL_PRS_SEN_5_V_REF
ECM
900_ecm_dsl_rps
UPC FNA 001
J1-12595678
J2-12595679

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Engine Controls: Dsl

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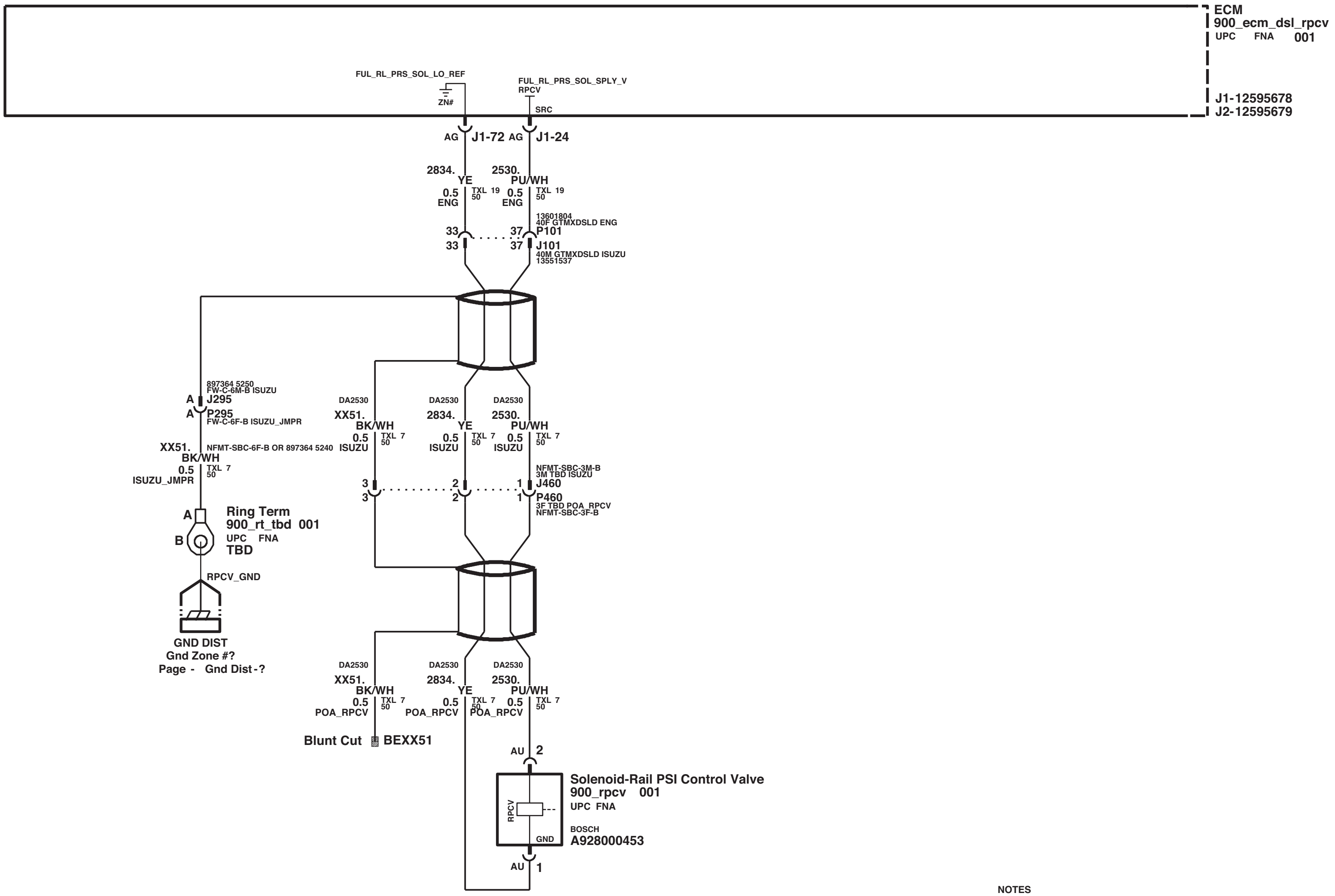
Panel Set: 10

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


ECM
900_ecm_dsl_rpcv
UPC FNA 001
J1-12595678
J2-12595679
FUL_RL_PRS_SOL_LO_REF
ZN#
FUL_RL_PRS_SOL_SPLY_V
RPCV
SRC
AG J1-72
AG J1-24
2834.
YE
0.5
ENG
TXL 19
50
2530.
PU/WH
0.5
ENG
TXL 19
50
13601804
40F GTMXDSLD ENG
33
37
P101
33
37
J101
40M GTMXDSLD ISUZU
13551537
897364 5250
FW-C-6M-B ISUZU
A J295
A P295
FW-C-6F-B ISUZU_JMPR
XX51.
BK/WH
0.5
ISUZU_JMPR
TXL 7
50
NFMT-SBC-6F-B OR 897364 5240
DA2530
XX51.
BK/WH
0.5
ISUZU
TXL 7
50
DA2530
2834.
YE
0.5
ISUZU
TXL 7
50
DA2530
2530.
PU/WH
0.5
ISUZU
TXL 7
50
NFMT-SBC-3M-B
3M TBD ISUZU
3 2 1 J460
3 2 1 P460
3F TBD POA_RPCV
NFMT-SBC-3F-B
A
B
Ring Term
900_rt_tbd 001
UPC FNA
TBD
RPCV_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist - ?
DA2530
XX51.
BK/WH
0.5
POA_RPCV
TXL 7
50
DA2530
2834.
YE
0.5
POA_RPCV
TXL 7
50
DA2530
2530.
PU/WH
0.5
POA_RPCV
TXL 7
50
Blunt Cut
BEXX51
AU 2
Solenoid-Rail PSI Control Valve
900_rpcv 001
UPC FNA
BOSCH
A928000453
RPCV
GND
AU 1

NOTES

- 1 – THIS CIRCUIT IS NOT PROTECTED AGAINST A SHORT TO GROUND BY THE
  – UPSTREAM MODULE. USE CARE WHEN SELECTING WIRE GAUGE.

ARE16373
003
GMT900
GM Proprietary

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IEC/ESI

Engine Controls: Dsl

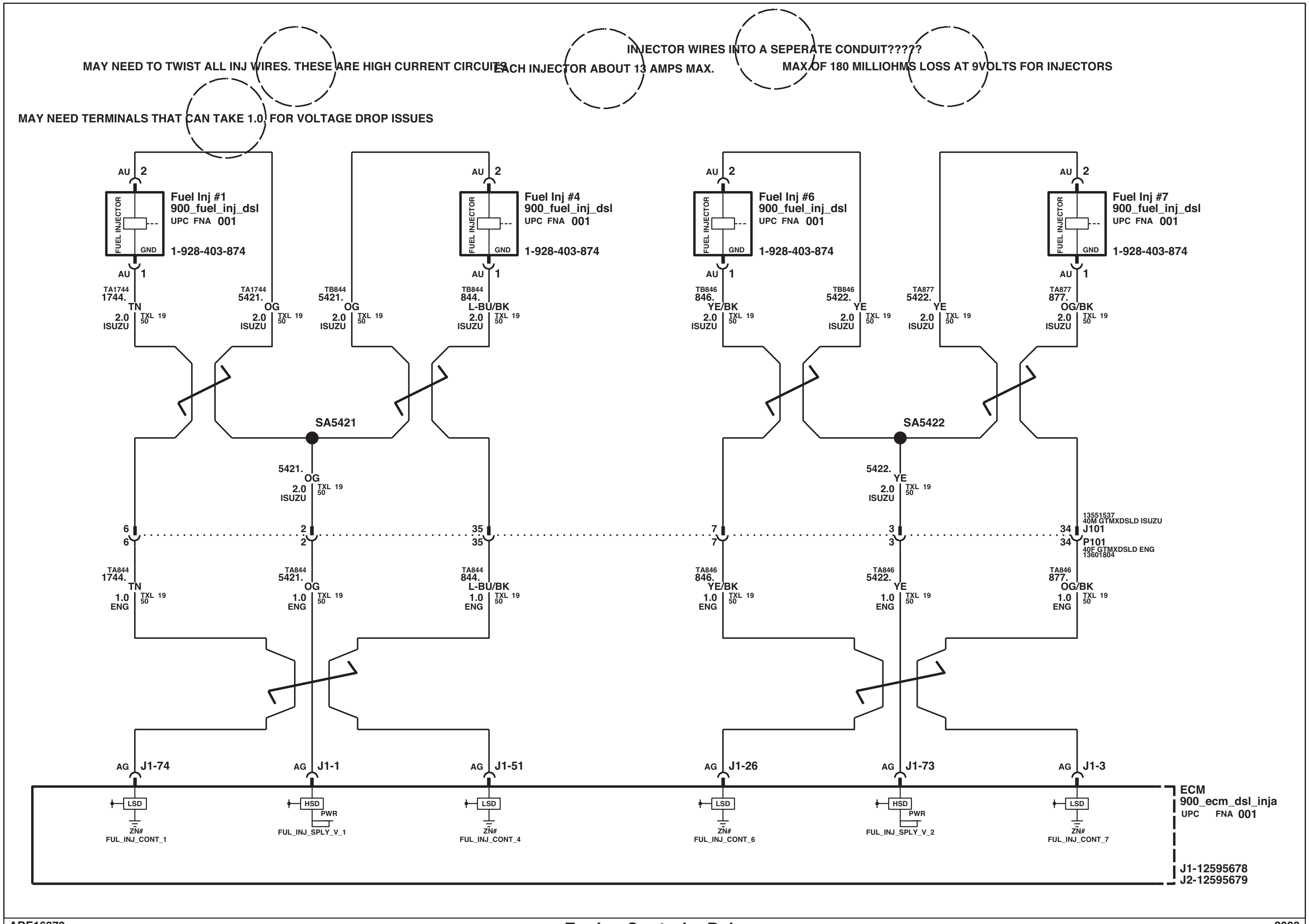
1_08_eng_ctrl_dsl Panel 11 of 20

Panel Set: 11

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


MAY NEED TO TWIST ALL INJ WIRES. THESE ARE HIGH CURRENT CIRCUITS

EACH INJECTOR ABOUT 13 AMPS MAX.

INJECTOR WIRES INTO A SEPERATE CONDUIT?????

MAX OF 180 MILLIOHMS LOSS AT 9VOLTS FOR INJECTORS

MAY NEED TERMINALS THAT CAN TAKE 1.0. FOR VOLTAGE DROP ISSUES

Fuel Inj #1
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #4
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #6
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #7
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
FUEL INJECTOR
GND
AU 2
AU 1
TA1744 1744. TN 2.0 ISUZU TXL 19 50
TA1744 5421. OG 2.0 ISUZU TXL 19 50
TB844 5421. OG 2.0 ISUZU TXL 19 50
TB844 844. L-BU/BK 2.0 ISUZU TXL 19 50
TB846 846. YE/BK 2.0 ISUZU TXL 19 50
TB846 5422. YE 2.0 ISUZU TXL 19 50
TA877 5422. YE 2.0 ISUZU TXL 19 50
TA877 877. OG/BK 2.0 ISUZU TXL 19 50
SA5421
SA5422
5421. OG 2.0 ISUZU TXL 19 50
5422. YE 2.0 ISUZU TXL 19 50
6 2 35 7 3 34
13551537
40M GTMXDSLD ISUZU
J101
P101
40F GTMXDSLD ENG
13601804
TA844 1744. TN 1.0 ENG TXL 19 50
TA844 5421. OG 1.0 ENG TXL 19 50
TA844 844. L-BU/BK 1.0 ENG TXL 19 50
TA846 846. YE/BK 1.0 ENG TXL 19 50
TA846 5422. YE 1.0 ENG TXL 19 50
TA846 877. OG/BK 1.0 ENG TXL 19 50
AG J1-74
AG J1-1
AG J1-51
AG J1-26
AG J1-73
AG J1-3
LSD
HSD
PWR
ZN#
FUL_INJ_CONT_1
FUL_INJ_SPLY_V_1
FUL_INJ_CONT_4
FUL_INJ_CONT_6
FUL_INJ_SPLY_V_2
FUL_INJ_CONT_7
ECM
900_ecm_dsl_inja
UPC FNA 001
J1-12595678
J2-12595679

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003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 12 of 20

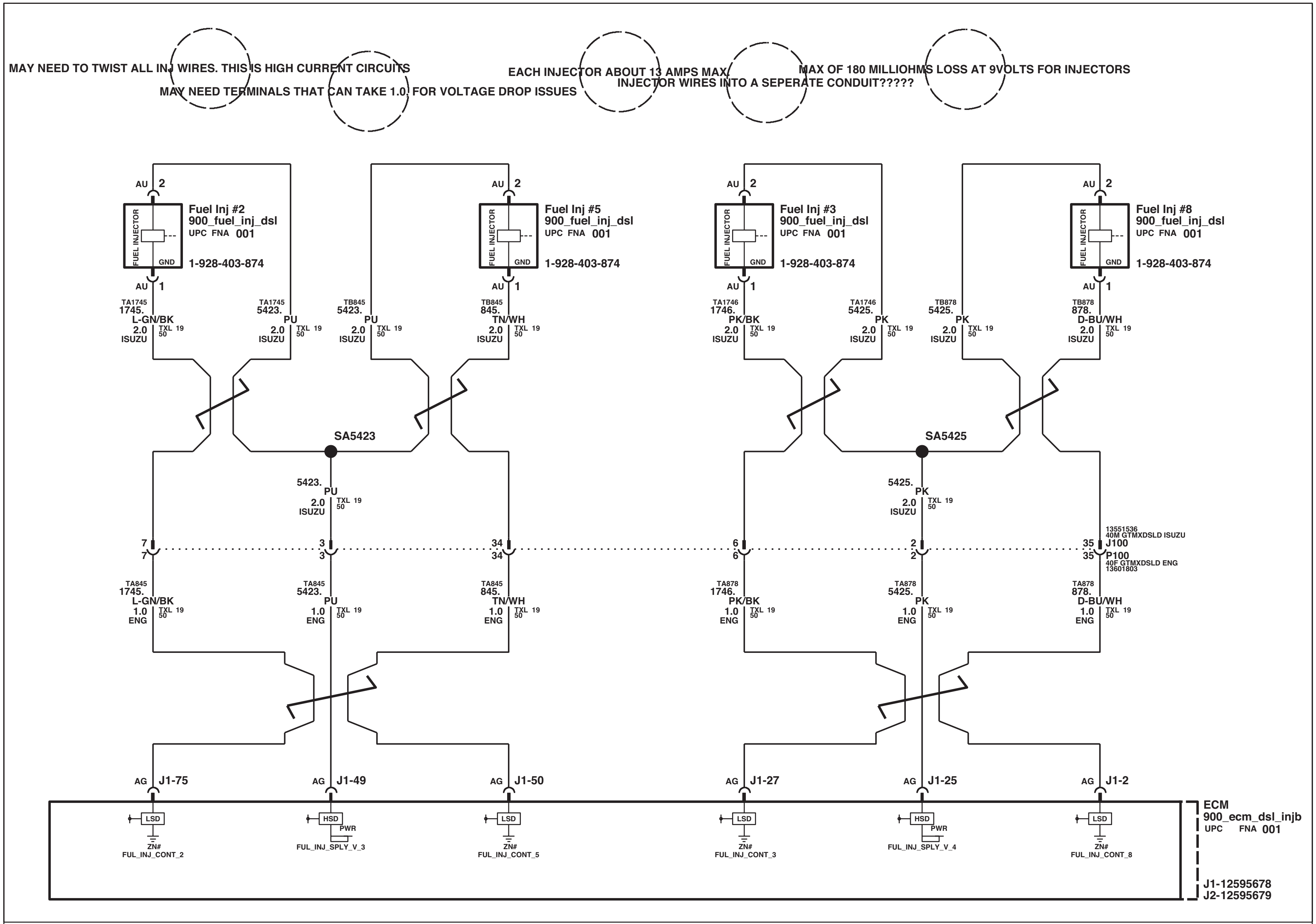
Panel Set: 12

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


Fuel Inj #2
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #5
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #3
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
Fuel Inj #8
900_fuel_inj_dsl
UPC FNA 001
1-928-403-874
FUEL INJECTOR
GND
AU 2
AU 1
TA1745 1745. L-GN/BK 2.0 ISUZU TXL 19 50
TA1745 5423. PU 2.0 ISUZU TXL 19 50
TB845 5423. PU 2.0 ISUZU TXL 19 50
TB845 845. TN/WH 2.0 ISUZU TXL 19 50
TA1746 1746. PK/BK 2.0 ISUZU TXL 19 50
TA1746 5425. PK 2.0 ISUZU TXL 19 50
TB878 5425. PK 2.0 ISUZU TXL 19 50
TB878 878. D-BU/WH 2.0 ISUZU TXL 19 50
SA5423
SA5425
5423. PU 2.0 ISUZU TXL 19 50
5425. PK 2.0 ISUZU TXL 19 50
7
3
34
6
2
35 J100
35 P100
13551536
40M GTMXDSLD ISUZU
40F GTMXDSLD ENG
13601803
TA845 1745. L-GN/BK 1.0 ENG TXL 19 50
TA845 5423. PU 1.0 ENG TXL 19 50
TA845 845. TN/WH 1.0 ENG TXL 19 50
TA878 1746. PK/BK 1.0 ENG TXL 19 50
TA878 5425. PK 1.0 ENG TXL 19 50
TA878 878. D-BU/WH 1.0 ENG TXL 19 50
AG J1-75
AG J1-49
AG J1-50
AG J1-27
AG J1-25
AG J1-2
LSD
HSD
PWR
ZN#
FUL_INJ_CONT_2
FUL_INJ_SPLY_V_3
FUL_INJ_CONT_5
FUL_INJ_CONT_3
FUL_INJ_SPLY_V_4
FUL_INJ_CONT_8
ECM
900_ecm_dsl_injb
UPC FNA 001
J1-12595678
J2-12595679

MAY NEED TO TWIST ALL INJ WIRES. THIS IS HIGH CURRENT CIRCUITS

MAY NEED TERMINALS THAT CAN TAKE 1.0. FOR VOLTAGE DROP ISSUES

EACH INJECTOR ABOUT 13 AMPS MAX.
INJECTOR WIRES INTO A SEPERATE CONDUIT?????

MAX OF 180 MILLIOHMS LOSS AT 9VOLTS FOR INJECTORS

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl

1_08_eng_ctrl_dsl Panel 13 of 20

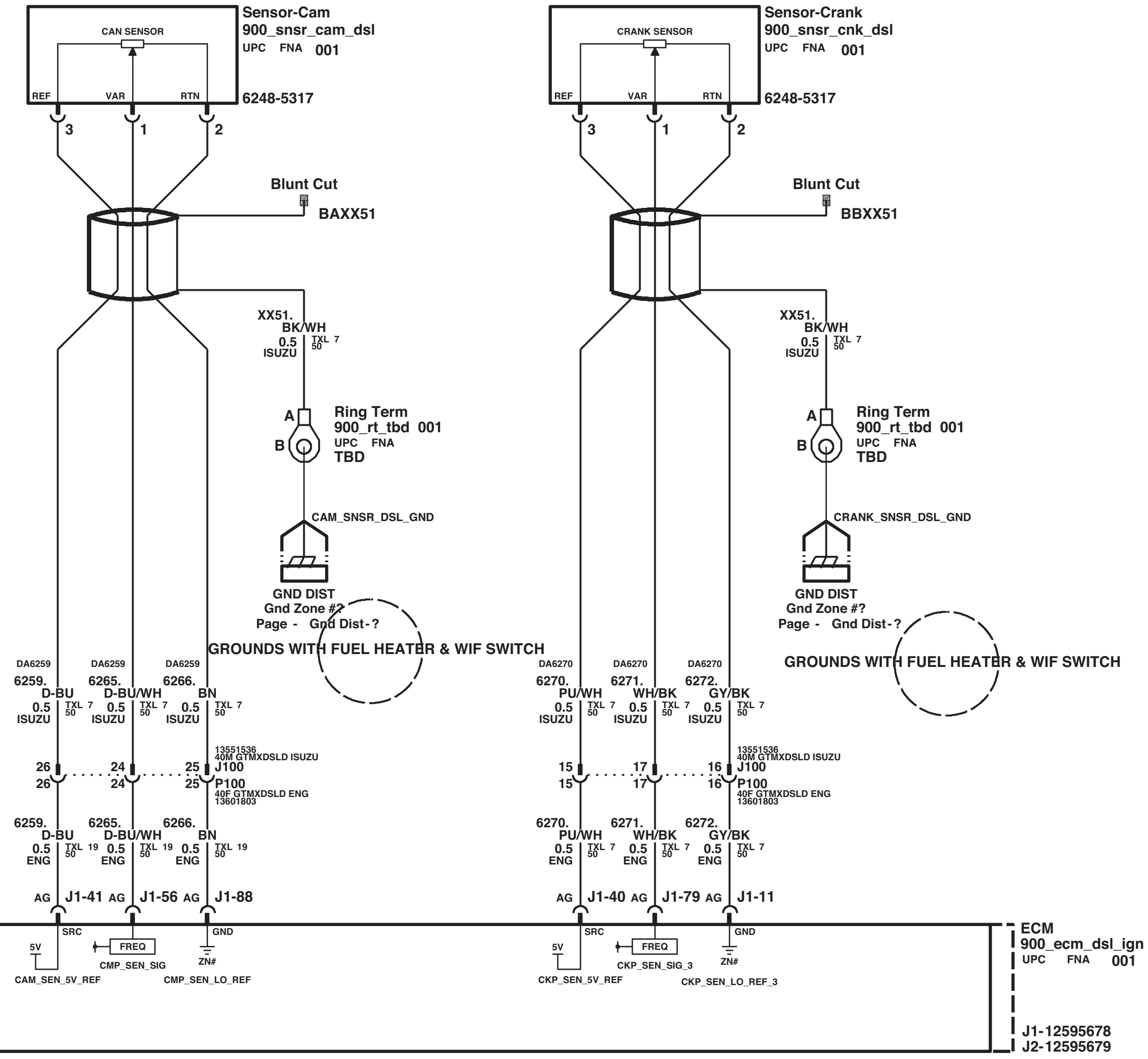
Panel Set: 13

&LMM

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Diesel


Sensor-Cam
900_snsr_cam_dsl
UPC FNA 001
CAN SENSOR
REF VAR RTN
6248-5317
3 1 2
Blunt Cut
BAXX51
XX51.
BK/WH
0.5 TXL 7 50
ISUZU
Ring Term
900_rt_tbd 001
UPC FNA
TBD
A
B
CAM_SNSR_DSL_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist - ?
GROUNDS WITH FUEL HEATER & WIF SWITCH
DA6259 DA6259 DA6259
6259. D-BU 0.5 TXL 7 50 ISUZU
6265. D-BU/WH 0.5 TXL 7 50 ISUZU
6266. BN 0.5 TXL 7 50 ISUZU
13551536
40M GTMXDSLD ISUZU
J100
26 24 25
P100
40F GTMXDSLD ENG
13601803
6259. D-BU 0.5 TXL 19 50 ENG
6265. D-BU/WH 0.5 TXL 19 50 ENG
6266. BN 0.5 TXL 19 50 ENG
AG J1-41 AG J1-56 AG J1-88
SRC
5V
FREQ
GND
ZN#
CAM_SEN_5V_REF
CMP_SEN_SIG
CMP_SEN_LO_REF
Sensor-Crank
900_snsr_cnk_dsl
UPC FNA 001
CRANK SENSOR
REF VAR RTN
6248-5317
3 1 2
Blunt Cut
BBXX51
XX51.
BK/WH
0.5 TXL 7 50
ISUZU
Ring Term
900_rt_tbd 001
UPC FNA
TBD
A
B
CRANK_SNSR_DSL_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist - ?
GROUNDS WITH FUEL HEATER & WIF SWITCH
DA6270 DA6270 DA6270
6270. PU/WH 0.5 TXL 7 50 ISUZU
6271. WH/BK 0.5 TXL 7 50 ISUZU
6272. GY/BK 0.5 TXL 7 50 ISUZU
13551536
40M GTMXDSLD ISUZU
J100
15 17 16
P100
40F GTMXDSLD ENG
13601803
6270. PU/WH 0.5 TXL 7 50 ENG
6271. WH/BK 0.5 TXL 7 50 ENG
6272. GY/BK 0.5 TXL 7 50 ENG
AG J1-40 AG J1-79 AG J1-11
SRC
5V
FREQ
GND
ZN#
CKP_SEN_5V_REF
CKP_SEN_SIG_3
CKP_SEN_LO_REF_3
ECM
900_ecm_dsl_ign
UPC FNA 001
J1-12595678
J2-12595679

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003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl

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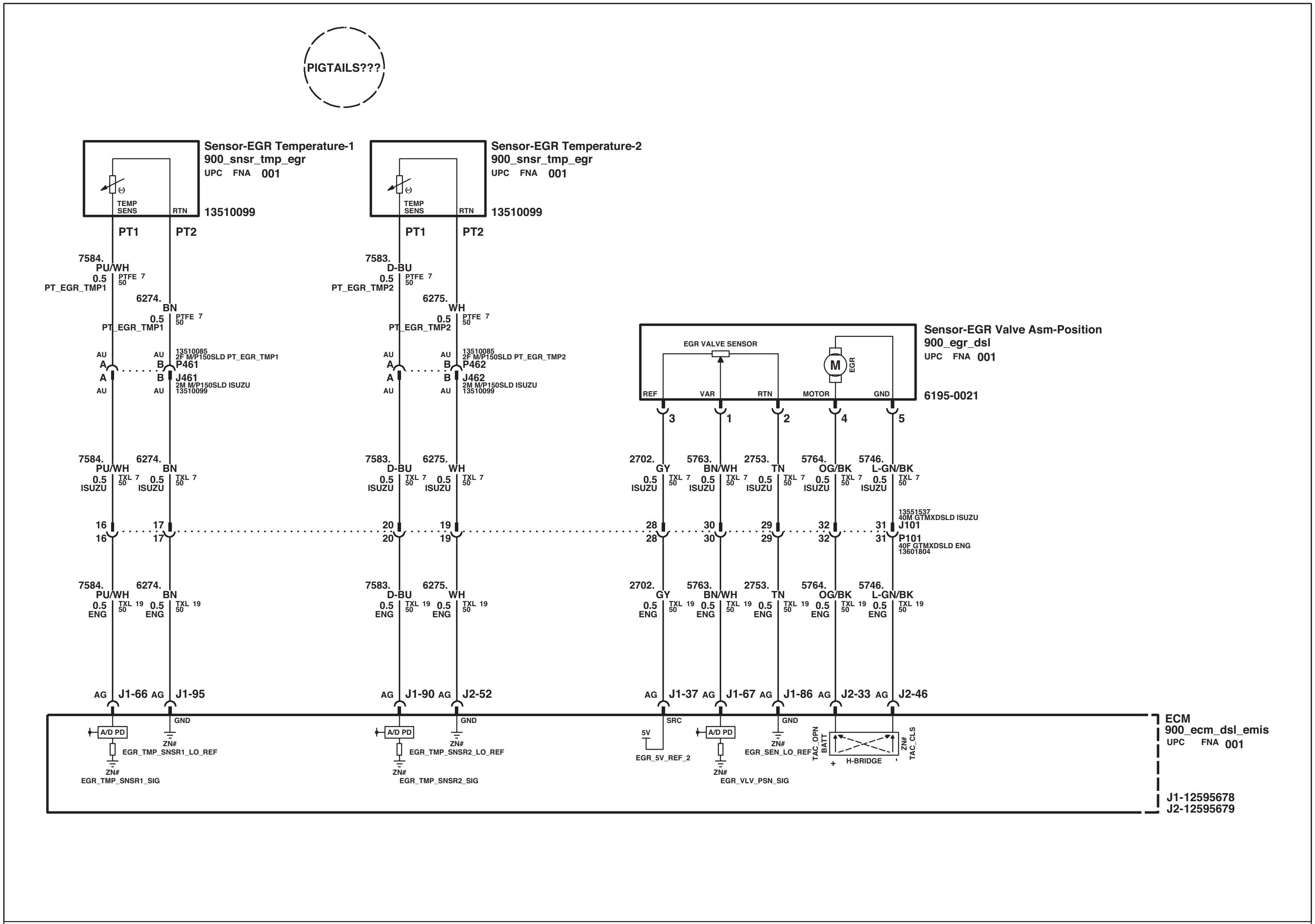
Panel Set: 14

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


PIGTAILS???
Sensor-EGR Temperature-1
900_snsr_tmp_egr
UPC FNA 001
TEMP SENS
RTN
13510099
PT1 PT2
7584. PU/WH 0.5 PTFE 7 50 PT_EGR_TMP1
6274. BN 0.5 PTFE 7 50 PT_EGR_TMP1
13510085 2F M/P150SLD PT_EGR_TMP1
AU A B P461
A B J461
2M M/P150SLD ISUZU 13510099
7584. PU/WH 0.5 TXL 7 50 ISUZU
6274. BN 0.5 TXL 7 50 ISUZU
16 17
7584. PU/WH 0.5 TXL 19 50 ENG
6274. BN 0.5 TXL 19 50 ENG
AG J1-66 AG J1-95
Sensor-EGR Temperature-2
900_snsr_tmp_egr
UPC FNA 001
13510099
7583. D-BU 0.5 PTFE 7 50 PT_EGR_TMP2
6275. WH 0.5 PTFE 7 50 PT_EGR_TMP2
13510085 2F M/P150SLD PT_EGR_TMP2
A B P462
A B J462
2M M/P150SLD ISUZU 13510099
7583. D-BU 0.5 TXL 7 50 ISUZU
6275. WH 0.5 TXL 7 50 ISUZU
20 19
7583. D-BU 0.5 TXL 19 50 ENG
6275. WH 0.5 TXL 19 50 ENG
AG J1-90 AG J2-52
Sensor-EGR Valve Asm-Position
900_egr_dsl
UPC FNA 001
EGR VALVE SENSOR
M EGR
REF VAR RTN MOTOR GND
6195-0021
3 1 2 4 5
2702. GY 0.5 TXL 7 50 ISUZU
5763. BN/WH 0.5 TXL 7 50 ISUZU
2753. TN 0.5 TXL 7 50 ISUZU
5764. OG/BK 0.5 TXL 7 50 ISUZU
5746. L-GN/BK 0.5 TXL 7 50 ISUZU
28 30 29 32 31
13551537 40M GTMXDSLD ISUZU J101
P101 40F GTMXDSLD ENG 13601804
2702. GY 0.5 TXL 19 50 ENG
5763. BN/WH 0.5 TXL 19 50 ENG
2753. TN 0.5 TXL 19 50 ENG
5764. OG/BK 0.5 TXL 19 50 ENG
5746. L-GN/BK 0.5 TXL 19 50 ENG
AG J1-37 AG J1-67 AG J1-86 AG J2-33 AG J2-46
A/D PD
GND
ZN#
EGR_TMP_SNSR1_LO_REF
EGR_TMP_SNSR1_SIG
EGR_TMP_SNSR2_LO_REF
EGR_TMP_SNSR2_SIG
5V SRC
EGR_5V_REF_2
EGR_SEN_LO_REF
EGR_VLV_PSN_SIG
TAC_OPN BATT
H-BRIDGE
TAC_CLS
ECM
900_ecm_dsl_emis
UPC FNA 001
J1-12595678
J2-12595679

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
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IEC/ESI

Engine Controls: Dsl

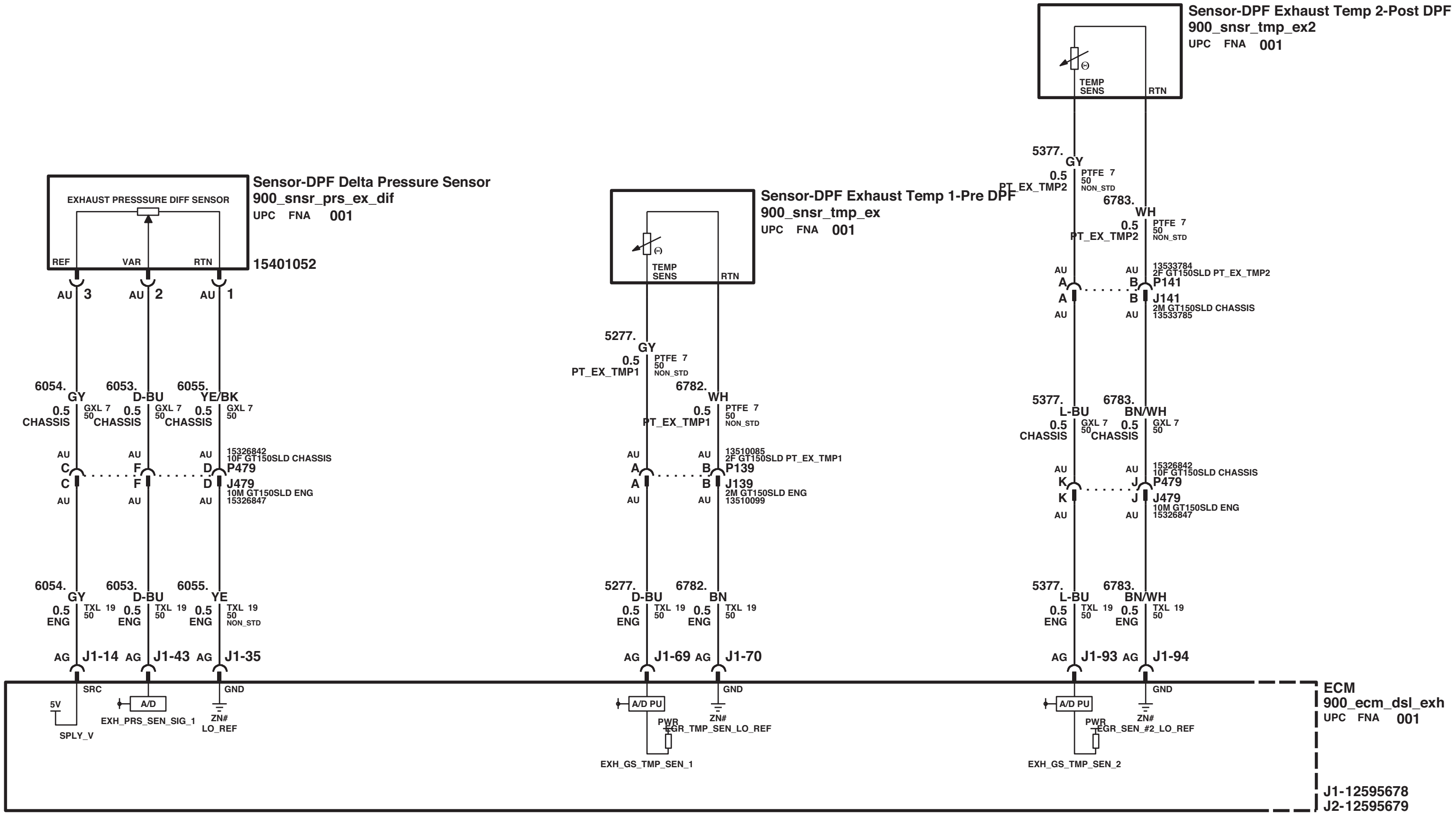
1_08_eng_ctrl_dsl Panel 15 of 20

Panel Set: 15

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


Sensor-DPF Delta Pressure Sensor
900_snsr_prs_ex_dif
UPC FNA 001
15401052
EXHAUST PRESSSURE DIFF SENSOR
REF
VAR
RTN
AU 3
AU 2
AU 1
6054. GY 0.5 CHASSIS GXL 7 50
6053. D-BU 0.5 CHASSIS GXL 7 50
6055. YE/BK 0.5 CHASSIS GXL 7 50
AU C C AU
AU F F AU
AU D D AU
15326842
10F GT150SLD CHASSIS
P479
J479
10M GT150SLD ENG
15326847
6054. GY 0.5 ENG TXL 19 50
6053. D-BU 0.5 ENG TXL 19 50
6055. YE 0.5 ENG TXL 19 50 NON_STD
AG J1-14
AG J1-43
AG J1-35
SRC
5V
SPLY_V
A/D
EXH_PRS_SEN_SIG_1
GND
ZN#
LO_REF
Sensor-DPF Exhaust Temp 1-Pre DPF
900_snsr_tmp_ex
UPC FNA 001
TEMP SENS
RTN
5277. GY 0.5 PT_EX_TMP1 PTFE 7 50 NON_STD
6782. WH 0.5 PT_EX_TMP1 PTFE 7 50 NON_STD
AU A A AU
AU B B AU
13510085
2F GT150SLD PT_EX_TMP1
P139
J139
2M GT150SLD ENG
13510099
5277. D-BU 0.5 ENG TXL 19 50
6782. BN 0.5 ENG TXL 19 50
AG J1-69
AG J1-70
A/D PU
PWR
EGR_TMP_SEN_LO_REF
EXH_GS_TMP_SEN_1
GND
ZN#
Sensor-DPF Exhaust Temp 2-Post DPF
900_snsr_tmp_ex2
UPC FNA 001
TEMP SENS
RTN
5377. GY 0.5 PT_EX_TMP2 PTFE 7 50 NON_STD
6783. WH 0.5 PT_EX_TMP2 PTFE 7 50 NON_STD
AU A A AU
AU B B AU
13533784
2F GT150SLD PT_EX_TMP2
P141
J141
2M GT150SLD CHASSIS
13533785
5377. L-BU 0.5 CHASSIS GXL 7 50
6783. BN/WH 0.5 CHASSIS GXL 7 50
AU K K AU
AU J J AU
15326842
10F GT150SLD CHASSIS
P479
J479
10M GT150SLD ENG
15326847
5377. L-BU 0.5 ENG TXL 19 50
6783. BN/WH 0.5 ENG TXL 19 50
AG J1-93
AG J1-94
A/D PU
PWR
EGR_SEN_#2_LO_REF
EXH_GS_TMP_SEN_2
GND
ZN#
ECM
900_ecm_dsl_exh
UPC FNA 001
J1-12595678
J2-12595679

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003
GMT900
GM Proprietary

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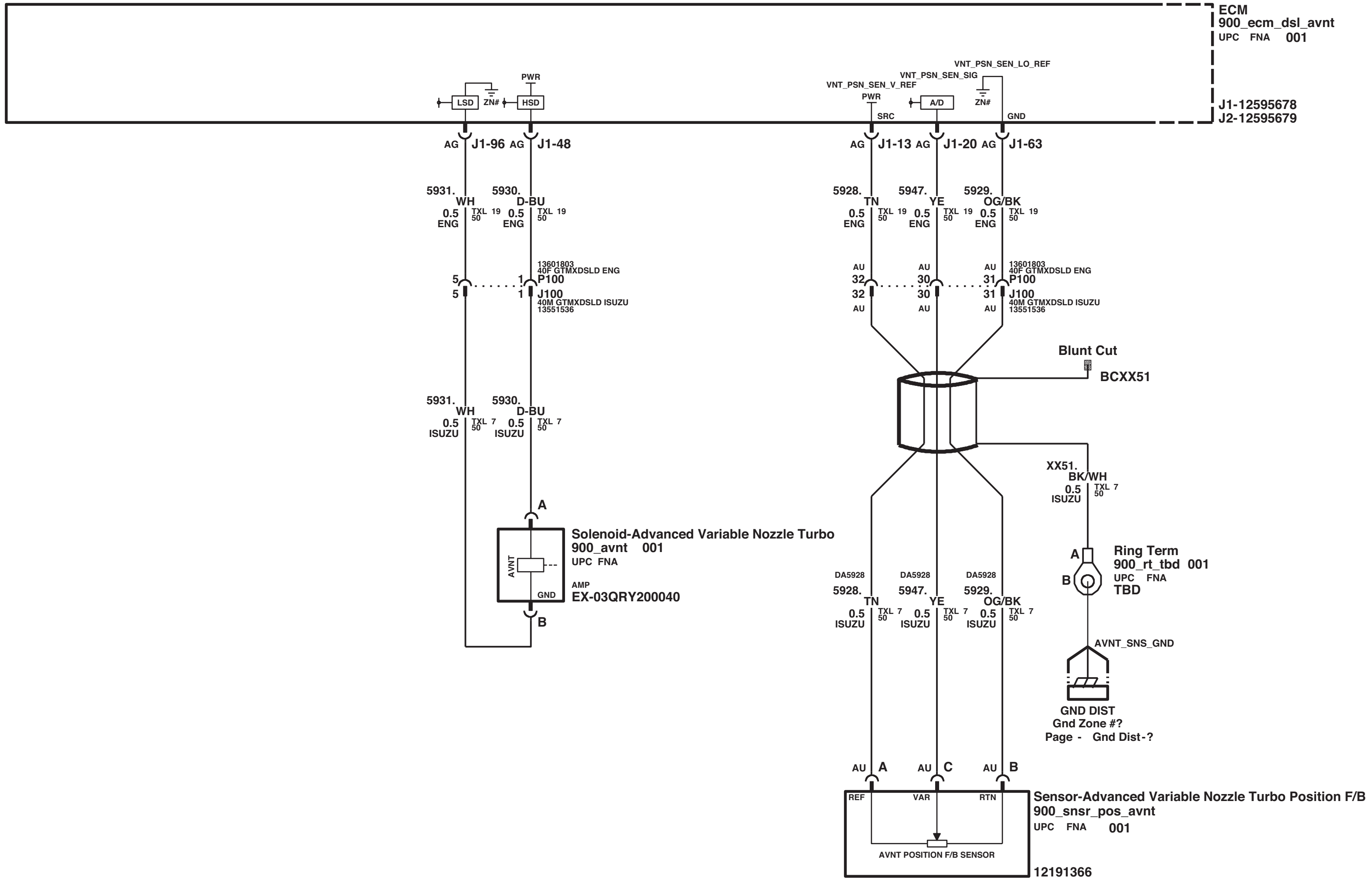
IEC/ESI

Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 16 of 20
Panel Set: 16
&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


ECM
900_ecm_dsl_avnt
UPC FNA 001
J1-12595678
J2-12595679
LSD
ZN#
PWR
HSD
VNT_PSN_SEN_LO_REF
VNT_PSN_SEN_SIG
VNT_PSN_SEN_V_REF
PWR
SRC
A/D
ZN#
GND
AG J1-96
AG J1-48
AG J1-13
AG J1-20
AG J1-63
5931. WH 0.5 ENG TXL 19 50
5930. D-BU 0.5 ENG TXL 19 50
5928. TN 0.5 ENG TXL 19 50
5947. YE 0.5 ENG TXL 19 50
5929. OG/BK 0.5 ENG TXL 19 50
13601803
40F GTMXDSLD ENG
P100
J100
40M GTMXDSLD ISUZU
13551536
5 5
1 1
AU 32 32 AU
AU 30 30 AU
AU 31 31 AU
Blunt Cut
BCXX51
5931. WH 0.5 ISUZU TXL 7 50
5930. D-BU 0.5 ISUZU TXL 7 50
XX51. BK/WH 0.5 ISUZU TXL 7 50
A
AVNT
GND
B
Solenoid-Advanced Variable Nozzle Turbo
900_avnt 001
UPC FNA
AMP
EX-03QRY200040
A
B
Ring Term
900_rt_tbd 001
UPC FNA
TBD
DA5928
DA5928
DA5928
5928. TN 0.5 ISUZU TXL 7 50
5947. YE 0.5 ISUZU TXL 7 50
5929. OG/BK 0.5 ISUZU TXL 7 50
AVNT_SNS_GND
GND DIST
Gnd Zone #?
Page - Gnd Dist-?
AU A
AU C
AU B
REF
VAR
RTN
AVNT POSITION F/B SENSOR
Sensor-Advanced Variable Nozzle Turbo Position F/B
900_snsr_pos_avnt
UPC FNA 001
12191366

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

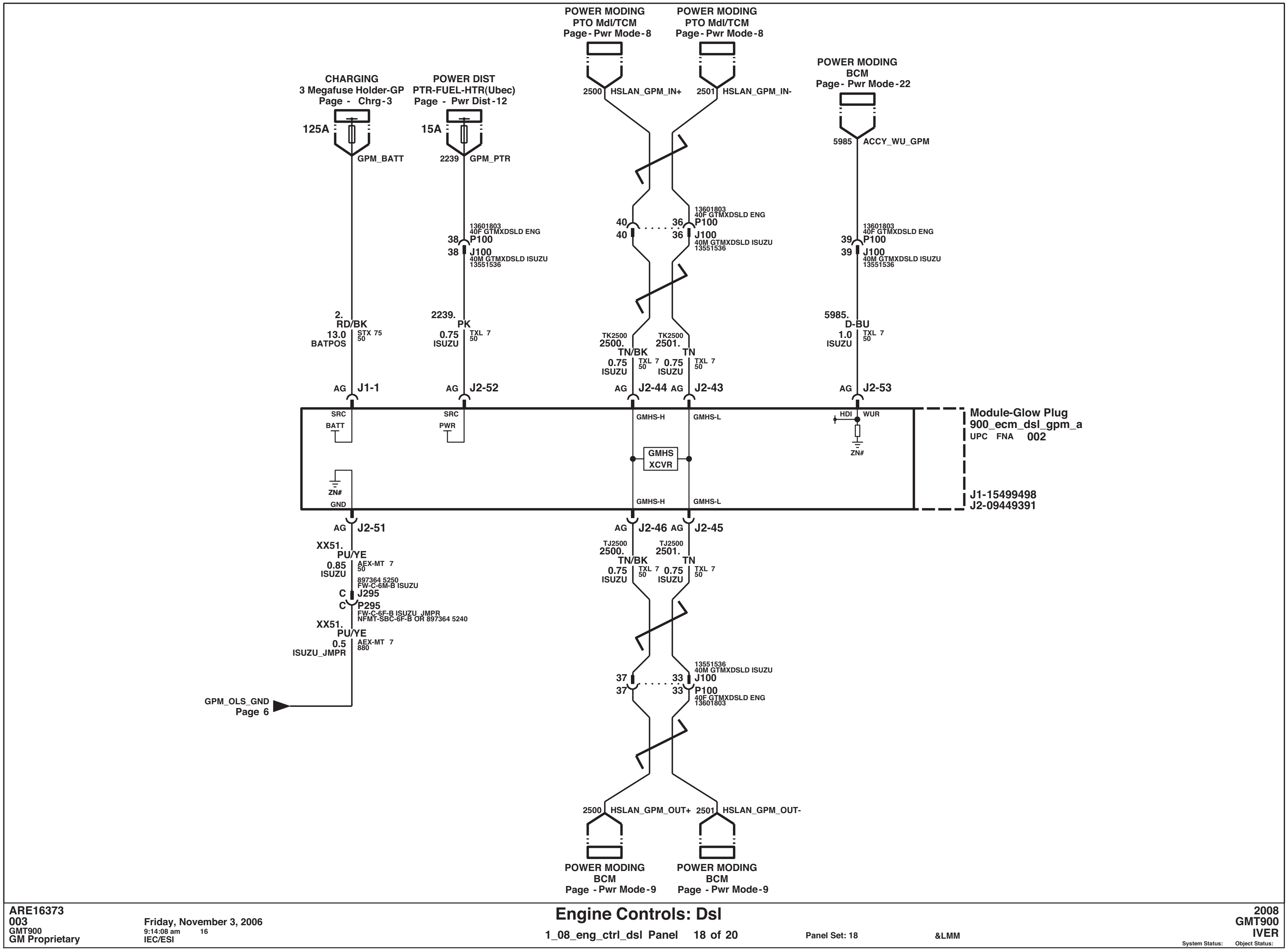
Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 17 of 20

Panel Set: 17

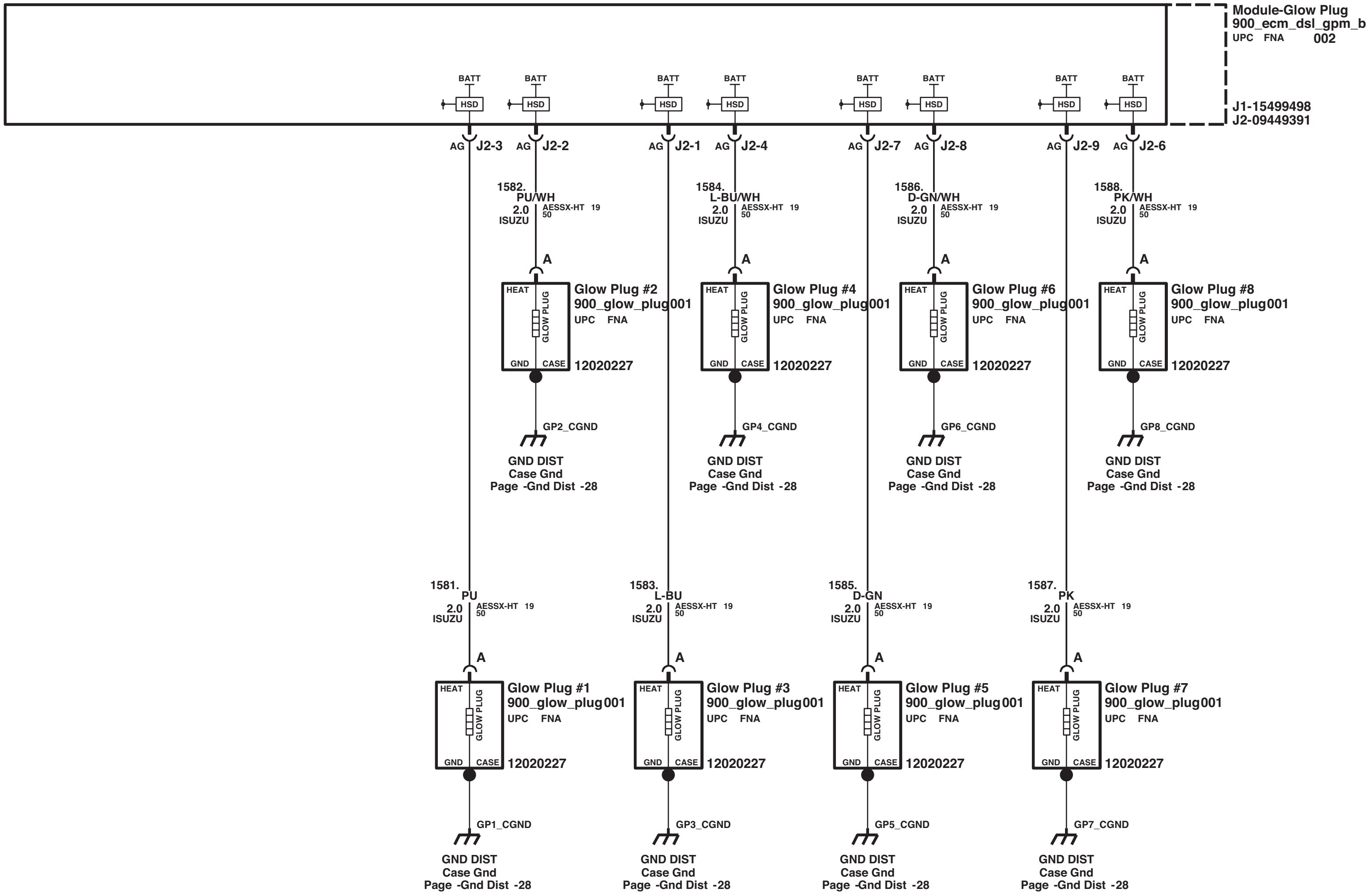
&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


POWER MODING
PTO Mdl/TCM
Page - Pwr Mode - 8
POWER MODING
PTO Mdl/TCM
Page - Pwr Mode - 8
2500 HSLAN_GPM_IN+
2501 HSLAN_GPM_IN-
POWER MODING
BCM
Page - Pwr Mode - 22
5985 ACCY_WU_GPM
CHARGING
3 Megafuse Holder-GP
Page - Chrg - 3
125A
GPM_BATT
POWER DIST
PTR-FUEL-HTR(Ubec)
Page - Pwr Dist - 12
15A
2239 GPM_PTR
13601803
40F GTMXDSLD ENG
38 P100
38 J100
40M GTMXDSLD ISUZU
13551536
40 36 P100
40 36 J100
39 P100
39 J100
2.
RD/BK
13.0 STX 75 50
BATPOS
2239.
PK
0.75 TXL 7 50
ISUZU
TK2500
2500.
TN/BK
0.75 TXL 7 50
ISUZU
TK2500
2501.
TN
0.75 TXL 7 50
ISUZU
5985.
D-BU
1.0 TXL 7 50
ISUZU
AG J1-1
AG J2-52
AG J2-44
AG J2-43
AG J2-53
SRC BATT
SRC PWR
GMHS-H
GMHS-L
HDI WUR
ZN#
GMHS XCVR
ZN#
GND
GMHS-H
GMHS-L
Module-Glow Plug
900_ecm_dsl_gpm_a
UPC FNA 002
J1-15499498
J2-09449391
AG J2-51
AG J2-46
AG J2-45
XX51.
PU/YE
0.85 AEX-MT 7 50
ISUZU
897364 5250
FW-C-6M-B ISUZU
C J295
C P295
FW-C-6F-B ISUZU_JMPR
NFMT-SBC-6F-B OR 897364 5240
XX51.
PU/YE
0.5 AEX-MT 7 880
ISUZU_JMPR
GPM_OLS_GND
Page 6
TJ2500
2500.
TN/BK
0.75 TXL 7 50
ISUZU
TJ2500
2501.
TN
0.75 TXL 7 50
ISUZU
13551536
40M GTMXDSLD ISUZU
37 33 J100
37 33 P100
40F GTMXDSLD ENG
13601803
2500 HSLAN_GPM_OUT+
2501 HSLAN_GPM_OUT-
POWER MODING
BCM
Page - Pwr Mode - 9
POWER MODING
BCM
Page - Pwr Mode - 9
ARE16373
003
GMT900
GM Proprietary
Friday, November 3, 2006
9:14:08 am 16
IEC/ESI
Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 18 of 20
Panel Set: 18
&LMM
2008
GMT900
IVER
System Status:
Object Status:

Engine Controls: Diesel


Module-Glow Plug
900_ecm_dsl_gpm_b
UPC FNA 002
J1-15499498
J2-09449391
BATT
HSD
AG J2-3
AG J2-2
AG J2-1
AG J2-4
AG J2-7
AG J2-8
AG J2-9
AG J2-6
1582. PU/WH 2.0 ISUZU AESSX-HT 19 50
1584. L-BU/WH 2.0 ISUZU AESSX-HT 19 50
1586. D-GN/WH 2.0 ISUZU AESSX-HT 19 50
1588. PK/WH 2.0 ISUZU AESSX-HT 19 50
A
HEAT
GLOW PLUG
GND
CASE
Glow Plug #2 900_glow_plug001 UPC FNA 12020227
Glow Plug #4 900_glow_plug001 UPC FNA 12020227
Glow Plug #6 900_glow_plug001 UPC FNA 12020227
Glow Plug #8 900_glow_plug001 UPC FNA 12020227
GP2_CGND
GP4_CGND
GP6_CGND
GP8_CGND
GND DIST Case Gnd Page -Gnd Dist -28
1581. PU 2.0 ISUZU AESSX-HT 19 50
1583. L-BU 2.0 ISUZU AESSX-HT 19 50
1585. D-GN 2.0 ISUZU AESSX-HT 19 50
1587. PK 2.0 ISUZU AESSX-HT 19 50
Glow Plug #1 900_glow_plug001 UPC FNA 12020227
Glow Plug #3 900_glow_plug001 UPC FNA 12020227
Glow Plug #5 900_glow_plug001 UPC FNA 12020227
Glow Plug #7 900_glow_plug001 UPC FNA 12020227
GP1_CGND
GP3_CGND
GP5_CGND
GP7_CGND
GND DIST Case Gnd Page -Gnd Dist -28

ARE16373
003
GMT900
GM Proprietary

Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

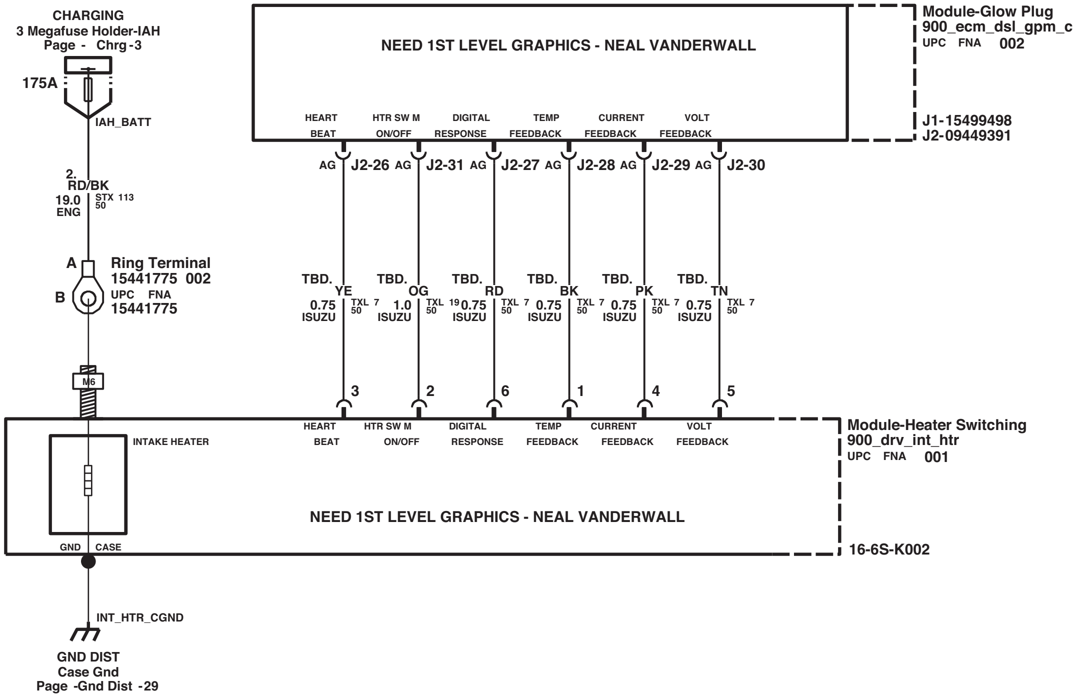
Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 19 of 20

Panel Set: 19

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Diesel


CHARGING
3 Megafuse Holder-IAH
Page - Chrg -3
175A
IAH_BATT
2.
RD/BK
19.0
ENG
STX 113
50
A
B
Ring Terminal
15441775 002
UPC FNA
15441775
M6
INTAKE HEATER
GND
CASE
INT_HTR_CGND
GND DIST
Case Gnd
Page -Gnd Dist -29
NEED 1ST LEVEL GRAPHICS - NEAL VANDERWALL
HEART BEAT
HTR SW M ON/OFF
DIGITAL RESPONSE
TEMP FEEDBACK
CURRENT FEEDBACK
VOLT FEEDBACK
Module-Glow Plug
900_ecm_dsl_gpm_c
UPC FNA 002
J1-15499498
J2-09449391
AG J2-26
AG J2-31
AG J2-27
AG J2-28
AG J2-29
AG J2-30
TBD. YE 0.75 ISUZU TXL 7 50
TBD. OG 1.0 ISUZU TXL 19 50
TBD. RD 0.75 ISUZU TXL 7 50
TBD. BK 0.75 ISUZU TXL 7 50
TBD. PK 0.75 ISUZU TXL 7 50
TBD. TN 0.75 ISUZU TXL 7 50
3
2
6
1
4
5
HEART BEAT
HTR SW M ON/OFF
DIGITAL RESPONSE
TEMP FEEDBACK
CURRENT FEEDBACK
VOLT FEEDBACK
Module-Heater Switching
900_drv_int_htr
UPC FNA 001
NEED 1ST LEVEL GRAPHICS - NEAL VANDERWALL
16-6S-K002

ARE16373
003
GMT900
GM Proprietary

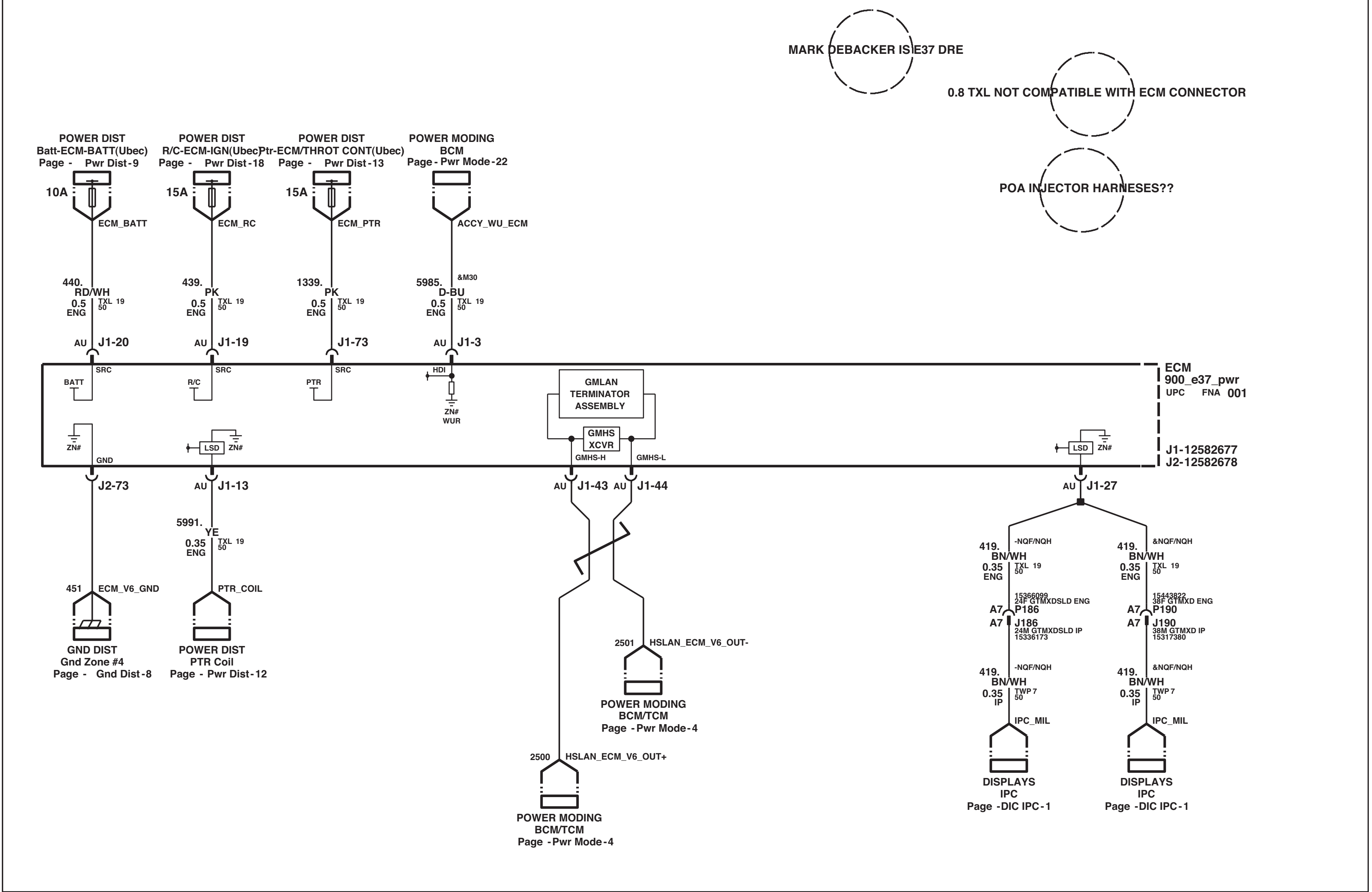
Friday, November 3, 2006
9:14:08 am 16
IEC/ESI

Engine Controls: Dsl
1_08_eng_ctrl_dsl Panel 20 of 20

&LMM

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V6


MARK DEBACKER IS E37 DRE
0.8 TXL NOT COMPATIBLE WITH ECM CONNECTOR
POA INJECTOR HARNESES??
POWER DIST
Batt-ECM-BATT(Ubec)
Page - Pwr Dist-9
10A
ECM_BATT
440.
RD/WH
0.5 ENG
TXL 19 50
AU J1-20
POWER DIST
R/C-ECM-IGN(Ubec)
Page - Pwr Dist-18
15A
ECM_RC
439.
PK
0.5 ENG
TXL 19 50
AU J1-19
POWER DIST
Ptr-ECM/THROT CONT(Ubec)
Page - Pwr Dist-13
15A
ECM_PTR
1339.
PK
0.5 ENG
TXL 19 50
J1-73
POWER MODING
BCM
Page - Pwr Mode-22
ACCY_WU_ECM
&M30
5985.
D-BU
0.5 ENG
TXL 19 50
AU J1-3
SRC
BATT
SRC
R/C
SRC
PTR
HDI
ZN#
WUR
GMLAN TERMINATOR ASSEMBLY
GMHS XCVR
GMHS-H
GMHS-L
ECM
900_e37_pwr
UPC FNA 001
J1-12582677
J2-12582678
ZN#
GND
LSD
ZN#
LSD
ZN#
J2-73
AU J1-13
5991.
YE
0.35 ENG
TXL 19 50
AU J1-43
AU J1-44
AU J1-27
451
ECM_V6_GND
GND DIST
Gnd Zone #4
Page - Gnd Dist-8
PTR_COIL
POWER DIST
PTR Coil
Page - Pwr Dist-12
2501
HSLAN_ECM_V6_OUT-
POWER MODING
BCM/TCM
Page - Pwr Mode-4
2500
HSLAN_ECM_V6_OUT+
POWER MODING
BCM/TCM
Page - Pwr Mode-4
419.
-NQF/NQH
BN/WH
0.35 ENG
TXL 19 50
15366099
24F GTMXDSLD ENG
A7 P186
A7 J186
24M GTMXDSLD IP
15336173
419.
-NQF/NQH
BN/WH
0.35 IP
TWP 7 50
IPC_MIL
DISPLAYS
IPC
Page -DIC IPC-1
419.
&NQF/NQH
BN/WH
0.35 ENG
TXL 19 50
15443822
38F GTMXD ENG
A7 P190
A7 J190
38M GTMXD IP
15317380
419.
&NQF/NQH
BN/WH
0.35 IP
TWP 7 50
IPC_MIL
DISPLAYS
IPC
Page -DIC IPC-1

ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

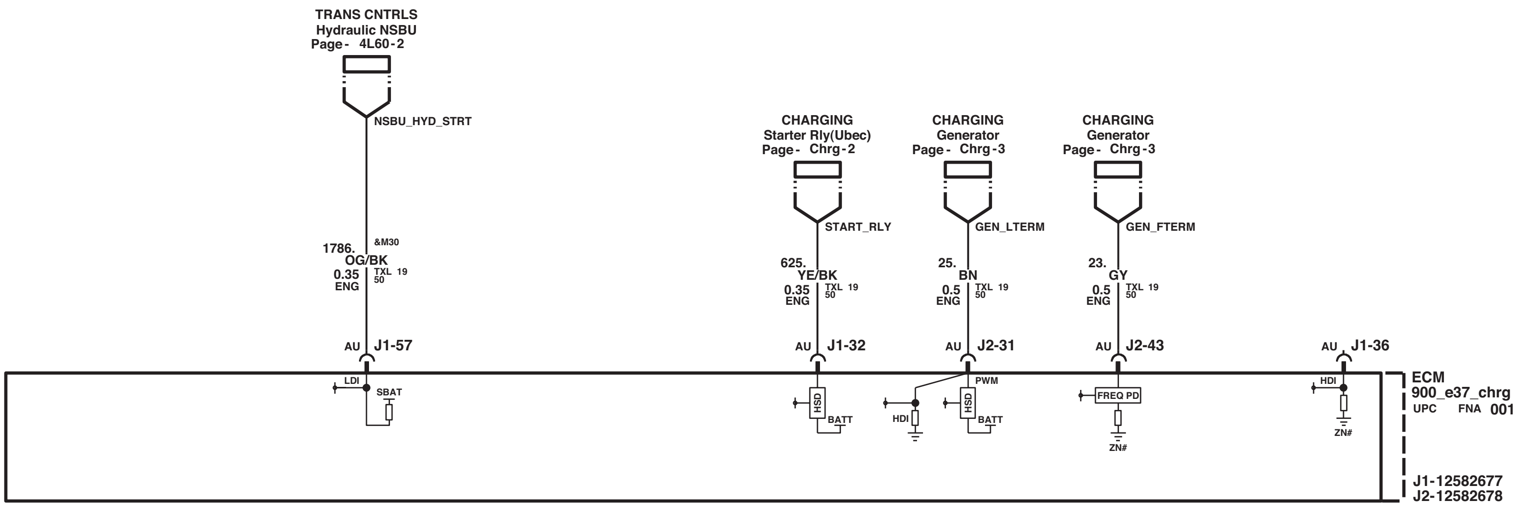
1_08_eng_ctrl_v6 Panel 1 of 13

Panel Set: 1

&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


TRANS CNTRLS
Hydraulic NSBU
Page - 4L60 - 2
NSBU_HYD_STRT
1786.
&M30
OG/BK
0.35
ENG
TXL 19
50
AU
J1-57
LDI
SBAT
CHARGING
Starter Rly(Ubec)
Page - Chrg - 2
START_RLY
625.
YE/BK
0.35
ENG
TXL 19
50
AU
J1-32
HSD
BATT
CHARGING
Generator
Page - Chrg - 3
GEN_LTERM
25.
BN
0.5
ENG
TXL 19
50
AU
J2-31
PWM
HDI
HSD
BATT
CHARGING
Generator
Page - Chrg - 3
GEN_FTERM
23.
GY
0.5
ENG
TXL 19
50
AU
J2-43
FREQ PD
ZN#
AU
J1-36
HDI
ZN#
ECM
900_e37_chrg
UPC FNA 001
J1-12582677
J2-12582678

ARE16376
003
GMT900
GM Proprietary

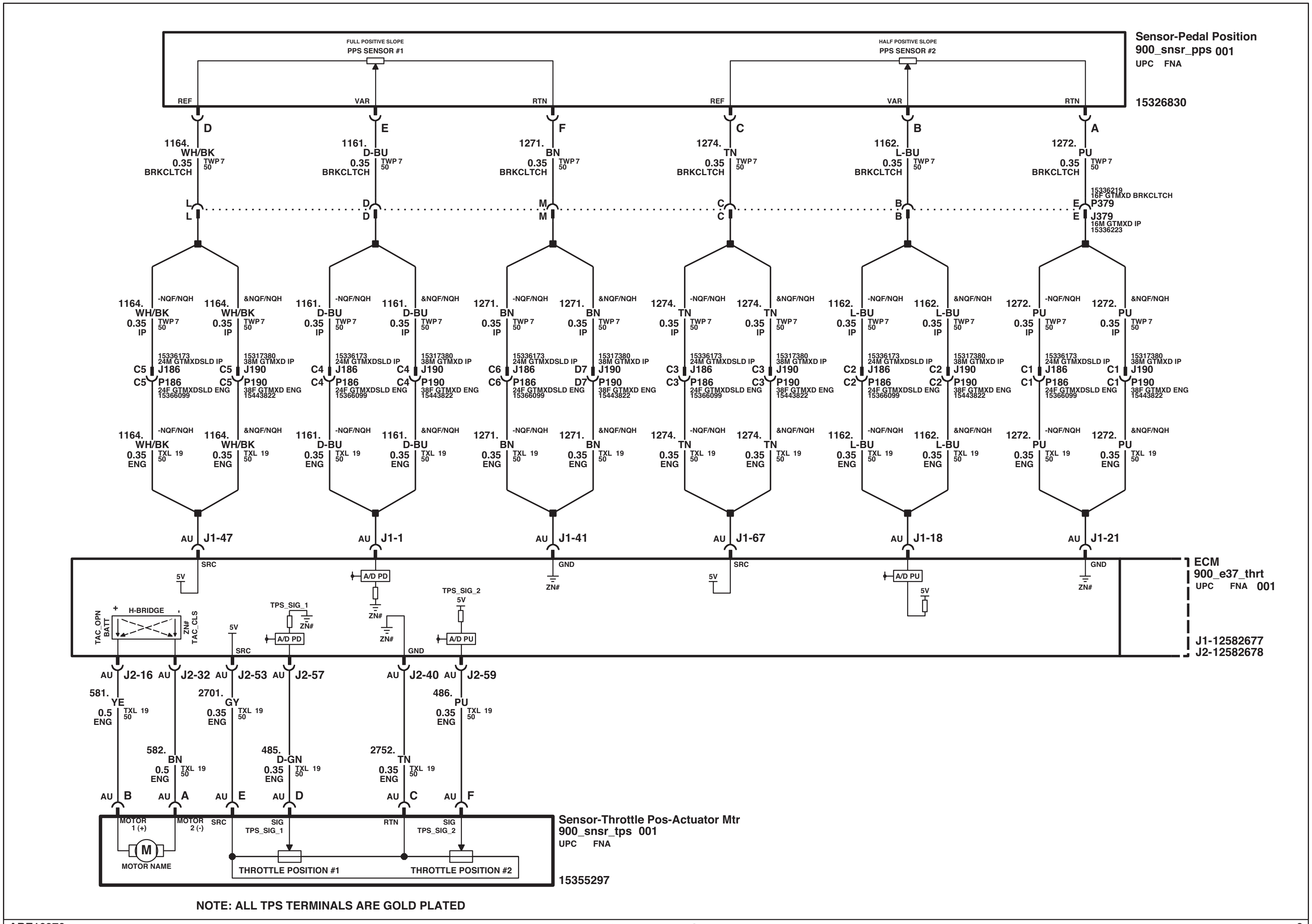
Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

1_08_eng_ctrl_v6 Panel 2 of 13 Panel Set: 2 &LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
REF
VAR
RTN
D
E
F
C
B
A
1164. WH/BK 0.35 BRKCLTCH TWP 7 50
1161. D-BU 0.35 BRKCLTCH TWP 7 50
1271. BN 0.35 BRKCLTCH TWP 7 50
1274. TN 0.35 BRKCLTCH TWP 7 50
1162. L-BU 0.35 BRKCLTCH TWP 7 50
1272. PU 0.35 BRKCLTCH TWP 7 50
15336219 16F GTMXD BRKCLTCH
P379
J379
16M GTMXD IP 15336223
L
D
M
C
B
E
-NQF/NQH
&NQF/NQH
0.35 IP TWP 7 50
15336173 24M GTMXDSLD IP
J186
P186
24F GTMXDSLD ENG 15366099
15317380 38M GTMXD IP
J190
P190
38F GTMXD ENG 15443822
C5
C4
C6
D7
C3
C2
C1
0.35 ENG TXL 19 50
AU J1-47
AU J1-1
AU J1-41
AU J1-67
AU J1-18
AU J1-21
SRC
GND
5V
A/D PD
A/D PU
ZN#
ECM
900_e37_thrt
UPC FNA 001
J1-12582677
J2-12582678
TAC_OPN
BATT
H-BRIDGE
TAC_CLS
TPS_SIG_1
TPS_SIG_2
AU J2-16
AU J2-32
AU J2-53
AU J2-57
AU J2-40
AU J2-59
581. YE 0.5 ENG TXL 19 50
582. BN 0.5 ENG TXL 19 50
2701. GY 0.35 ENG TXL 19 50
485. D-GN 0.35 ENG TXL 19 50
2752. TN 0.35 ENG TXL 19 50
486. PU 0.35 ENG TXL 19 50
AU B
AU A
AU E
AU D
AU C
AU F
MOTOR 1 (+)
MOTOR 2 (-)
SRC
SIG
RTN
M
MOTOR NAME
THROTTLE POSITION #1
THROTTLE POSITION #2
Sensor-Throttle Pos-Actuator Mtr
900_snsr_tps 001
UPC FNA
15355297
NOTE: ALL TPS TERMINALS ARE GOLD PLATED

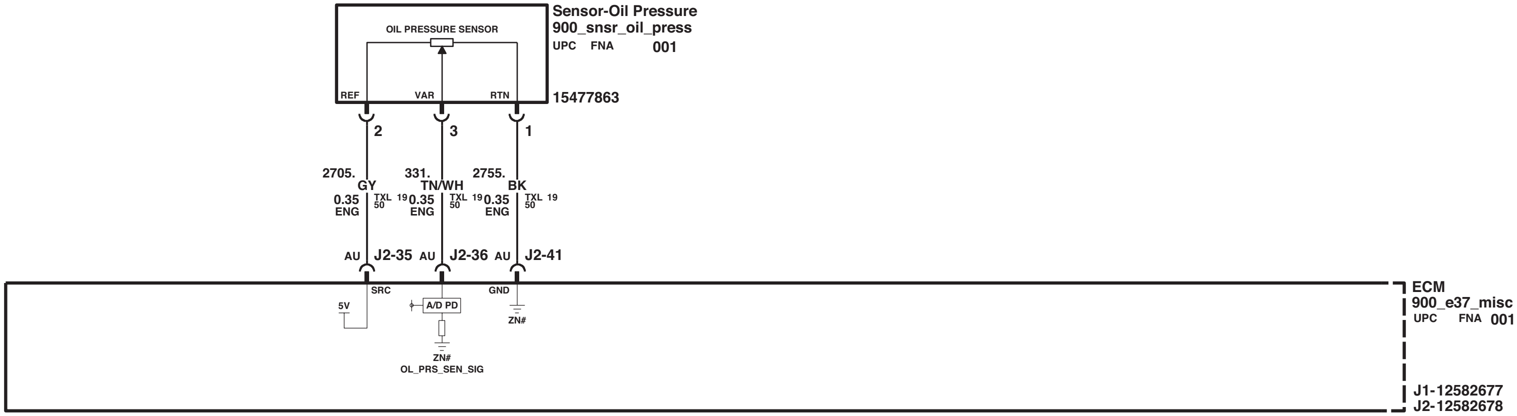
ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6
1_08_eng_ctrl_v6 Panel 3 of 13
Panel Set: 3
&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


OIL PRESSURE SENSOR
REF
VAR
RTN
Sensor-Oil Pressure
900_snsr_oil_press
UPC FNA 001
15477863
2
3
1
2705.
GY
0.35 ENG
TXL 50 19
331.
TN/WH
0.35 ENG
TXL 50 19
2755.
BK
0.35 ENG
TXL 50 19
AU J2-35
AU J2-36
AU J2-41
SRC
5V
A/D PD
ZN#
OL_PRS_SEN_SIG
GND
ZN#
ECM
900_e37_misc
UPC FNA 001
J1-12582677
J2-12582678

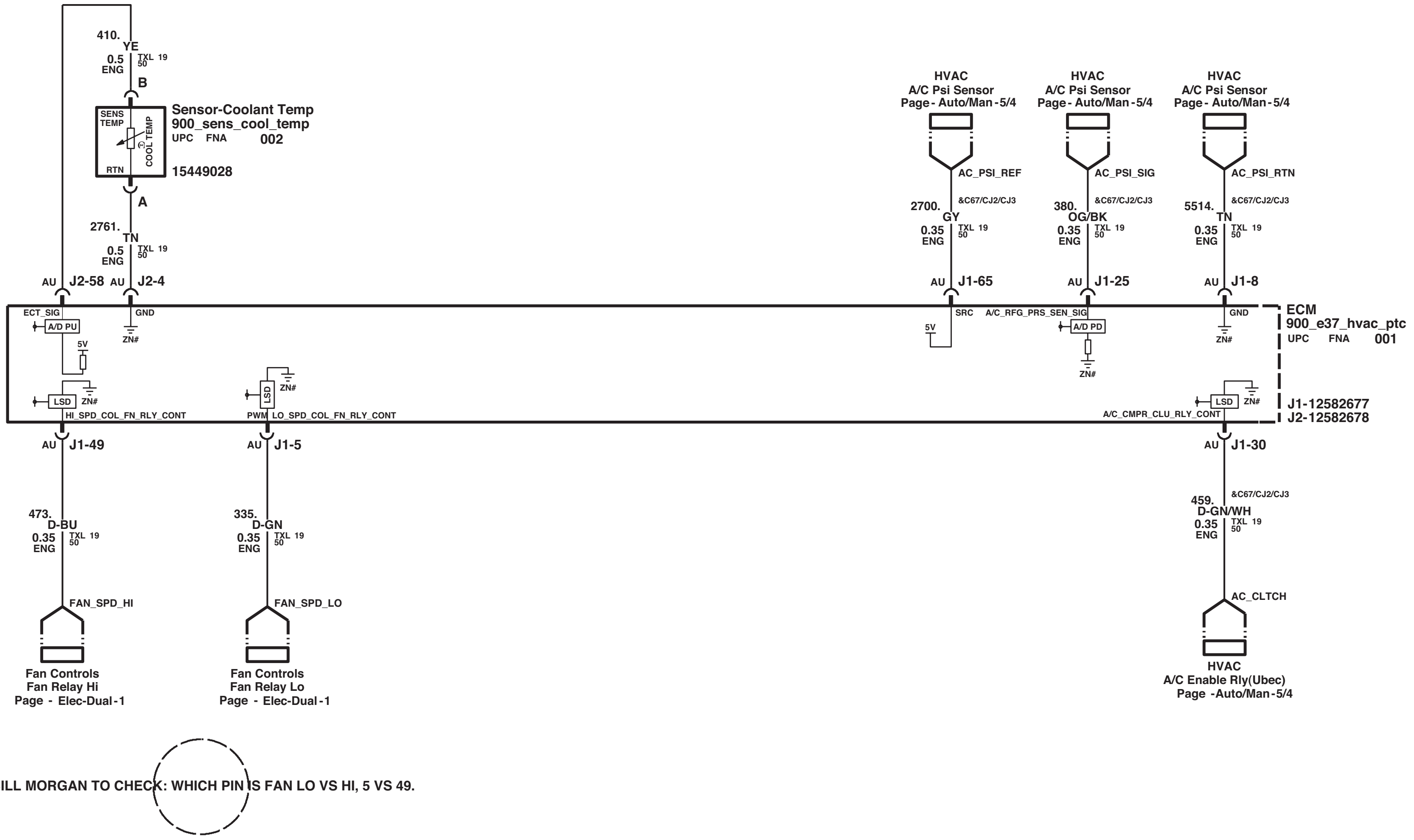
ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6
1_08_eng_ctrl_v6 Panel 4 of 13 Panel Set: 4 &LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


410.
YE
0.5 ENG
TXL 19 50
B
SENS TEMP
COOL TEMP
RTN
Sensor-Coolant Temp
900_sens_cool_temp
UPC FNA 002
15449028
A
2761.
TN
0.5 ENG
TXL 19 50
AU J2-58
AU J2-4
ECT_SIG
A/D PU
5V
GND
ZN#
LSD
ZN#
HI_SPD_COL_FN_RLY_CONT
PWM LO_SPD_COL_FN_RLY_CONT
HVAC
A/C Psi Sensor
Page - Auto/Man - 5/4
AC_PSI_REF
&C67/CJ2/CJ3
2700.
GY
0.35 ENG
TXL 19 50
AC_PSI_SIG
380.
OG/BK
AC_PSI_RTN
5514.
TN
AU J1-65
AU J1-25
AU J1-8
SRC
A/C_RFG_PRS_SEN_SIG
A/D PD
ECM
900_e37_hvac_ptc
UPC FNA 001
J1-12582677
J2-12582678
A/C_CMPR_CLU_RLY_CONT
AU J1-49
AU J1-5
AU J1-30
473.
D-BU
335.
D-GN
459.
D-GN/WH
FAN_SPD_HI
FAN_SPD_LO
AC_CLTCH
Fan Controls
Fan Relay Hi
Page - Elec-Dual - 1
Fan Controls
Fan Relay Lo
Page - Elec-Dual - 1
HVAC
A/C Enable Rly(Ubec)
Page -Auto/Man - 5/4

BILL MORGAN TO CHECK: WHICH PIN IS FAN LO VS HI, 5 VS 49.

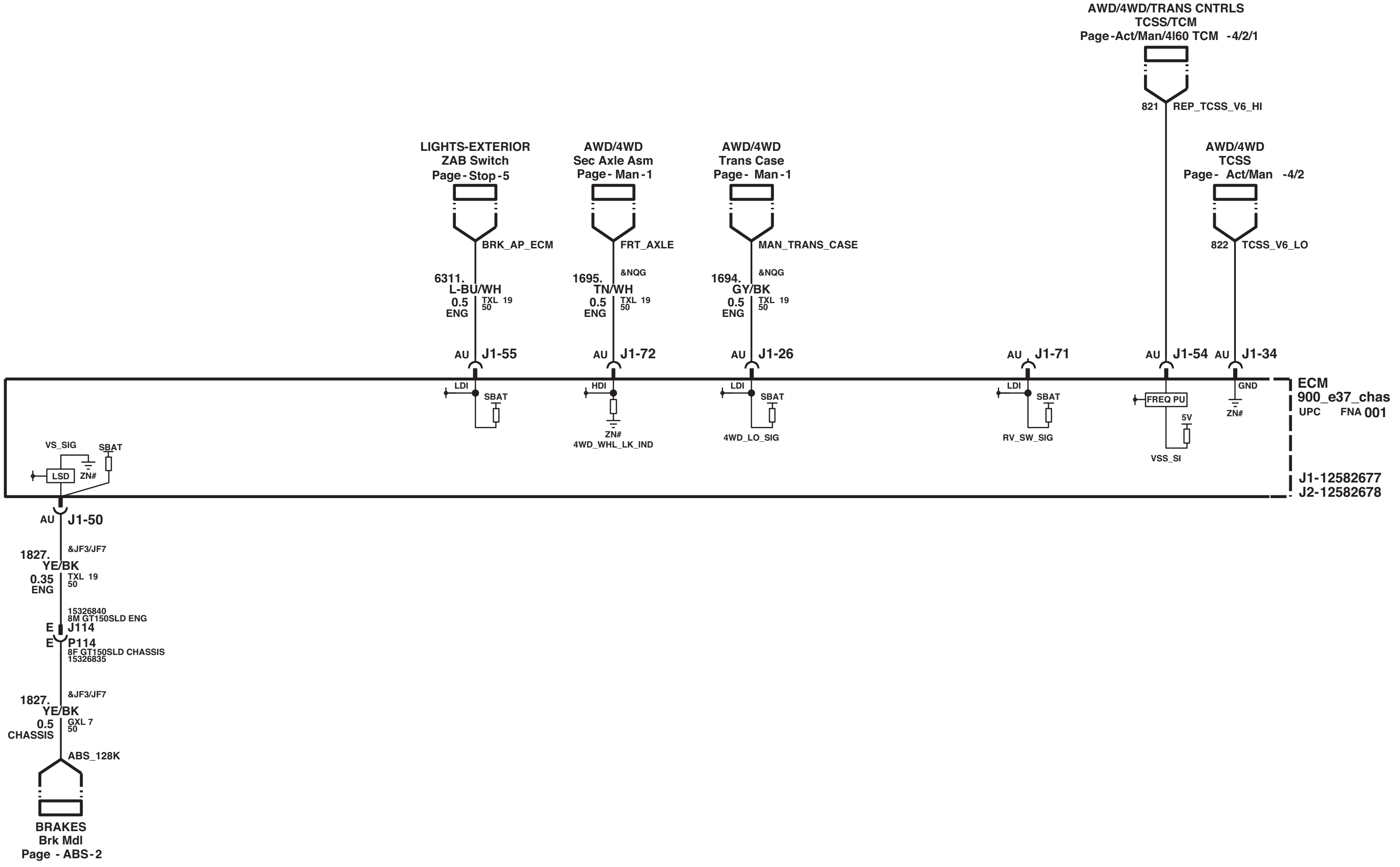
ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6
1_08_eng_ctrl_v6 Panel 5 of 13
Panel Set: 5
&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


AWD/4WD/TRANS CNTRLS
TCSS/TCM
Page - Act/Man/4l60 TCM -4/2/1
821
REP_TCSS_V6_HI
LIGHTS-EXTERIOR
ZAB Switch
Page - Stop - 5
BRK_AP_ECM
6311.
L-BU/WH
0.5
ENG
TXL 19
50
J1-55
AWD/4WD
Sec Axle Asm
Page - Man - 1
FRT_AXLE
&NQG
1695.
TN/WH
0.5
ENG
TXL 19
50
J1-72
AWD/4WD
Trans Case
Page - Man - 1
MAN_TRANS_CASE
&NQG
1694.
GY/BK
0.5
ENG
TXL 19
50
J1-26
AWD/4WD
TCSS
Page - Act/Man -4/2
822
TCSS_V6_LO
AU
J1-71
J1-54
J1-34
LDI
SBAT
HDI
ZN#
4WD_WHL_LK_IND
4WD_LO_SIG
RV_SW_SIG
FREQ PU
5V
VSS_SI
GND
ECM
900_e37_chas
UPC
FNA 001
J1-12582677
J2-12582678
VS_SIG
SBAT
LSD
ZN#
J1-50
&JF3/JF7
1827.
YE/BK
0.35
ENG
TXL 19
50
15326840
8M GT150SLD ENG
E
J114
E
P114
8F GT150SLD CHASSIS
15326835
&JF3/JF7
1827.
YE/BK
0.5
CHASSIS
GXL 7
50
ABS_128K
BRAKES
Brk Mdl
Page - ABS - 2

ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

1_08_eng_ctrl_v6 Panel 6 of 13

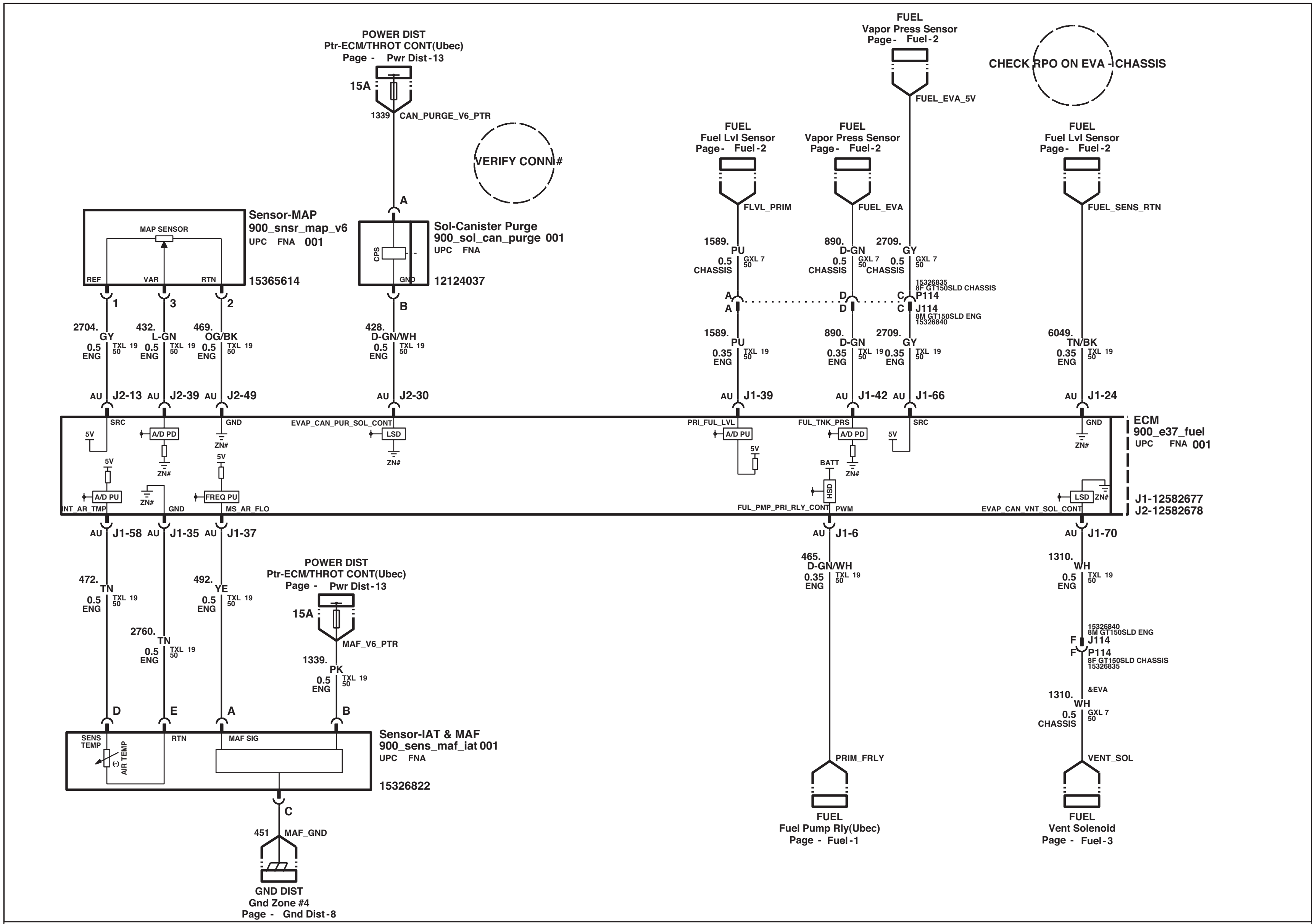
Panel Set: 6

&LU3

0
GMT900
:::D

System Status: Object Status:

Engine Controls: Gas – V6


POWER DIST
Ptr-ECM/THROT CONT(Ubec)
Page - Pwr Dist-13
15A
1339 CAN_PURGE_V6_PTR
VERIFY CONN#
A
Sol-Canister Purge
900_sol_can_purge 001
UPC FNA
CPS
GND
12124037
B
428.
D-GN/WH
0.5 ENG
TXL 19 50
AU J2-30
Sensor-MAP
900_snsr_map_v6
UPC FNA 001
MAP SENSOR
REF
VAR
RTN
15365614
1
3
2
2704. GY 0.5 ENG TXL 19 50
432. L-GN 0.5 ENG TXL 19 50
469. OG/BK 0.5 ENG TXL 19 50
AU J2-13
AU J2-39
AU J2-49
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL_EVA_5V
CHECK RPO ON EVA - CHASSIS
FUEL
Fuel Lvl Sensor
Page - Fuel-2
FLVL_PRIM
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL_EVA
FUEL
Fuel Lvl Sensor
Page - Fuel-2
FUEL_SENS_RTN
1589. PU 0.5 CHASSIS GXL 7 50
890. D-GN 0.5 CHASSIS GXL 7 50
2709. GY 0.5 CHASSIS GXL 7 50
15326835
8F GT150SLD CHASSIS
A D C P114
A D C J114
8M GT150SLD ENG
15326840
1589. PU 0.35 ENG TXL 19 50
890. D-GN 0.35 ENG TXL 19 50
2709. GY 0.35 ENG TXL 19 50
6049. TN/BK 0.35 ENG TXL 19 50
AU J1-39
AU J1-42
AU J1-66
AU J1-24
SRC
5V
A/D PD
ZN#
GND
EVAP_CAN_PUR_SOL_CONT
LSD
PRI_FUL_LVL
A/D PU
FUL_TNK_PRS
BATT
HSD
ECM
900_e37_fuel
UPC FNA 001
J1-12582677
J2-12582678
A/D PU
INT_AR_TMP
GND
FREQ PU
MS_AR_FLO
FUL_PMP_PRI_RLY_CONT
PWM
EVAP_CAN_VNT_SOL_CONT
AU J1-58
AU J1-35
AU J1-37
AU J1-6
AU J1-70
472. TN 0.5 ENG TXL 19 50
2760. TN 0.5 ENG TXL 19 50
492. YE 0.5 ENG TXL 19 50
POWER DIST
Ptr-ECM/THROT CONT(Ubec)
Page - Pwr Dist-13
15A
MAF_V6_PTR
1339. PK 0.5 ENG TXL 19 50
465. D-GN/WH 0.35 ENG TXL 19 50
1310. WH 0.5 ENG TXL 19 50
15326840
8M GT150SLD ENG
F J114
F P114
8F GT150SLD CHASSIS
15326835
&EVA
1310. WH 0.5 CHASSIS GXL 7 50
D
E
A
B
SENS TEMP
AIR TEMP
RTN
MAF SIG
Sensor-IAT & MAF
900_sens_maf_iat 001
UPC FNA
15326822
C
451 MAF_GND
GND DIST
Gnd Zone #4
Page - Gnd Dist-8
PRIM_FRLY
FUEL
Fuel Pump Rly(Ubec)
Page - Fuel-1
VENT_SOL
FUEL
Vent Solenoid
Page - Fuel-3

ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

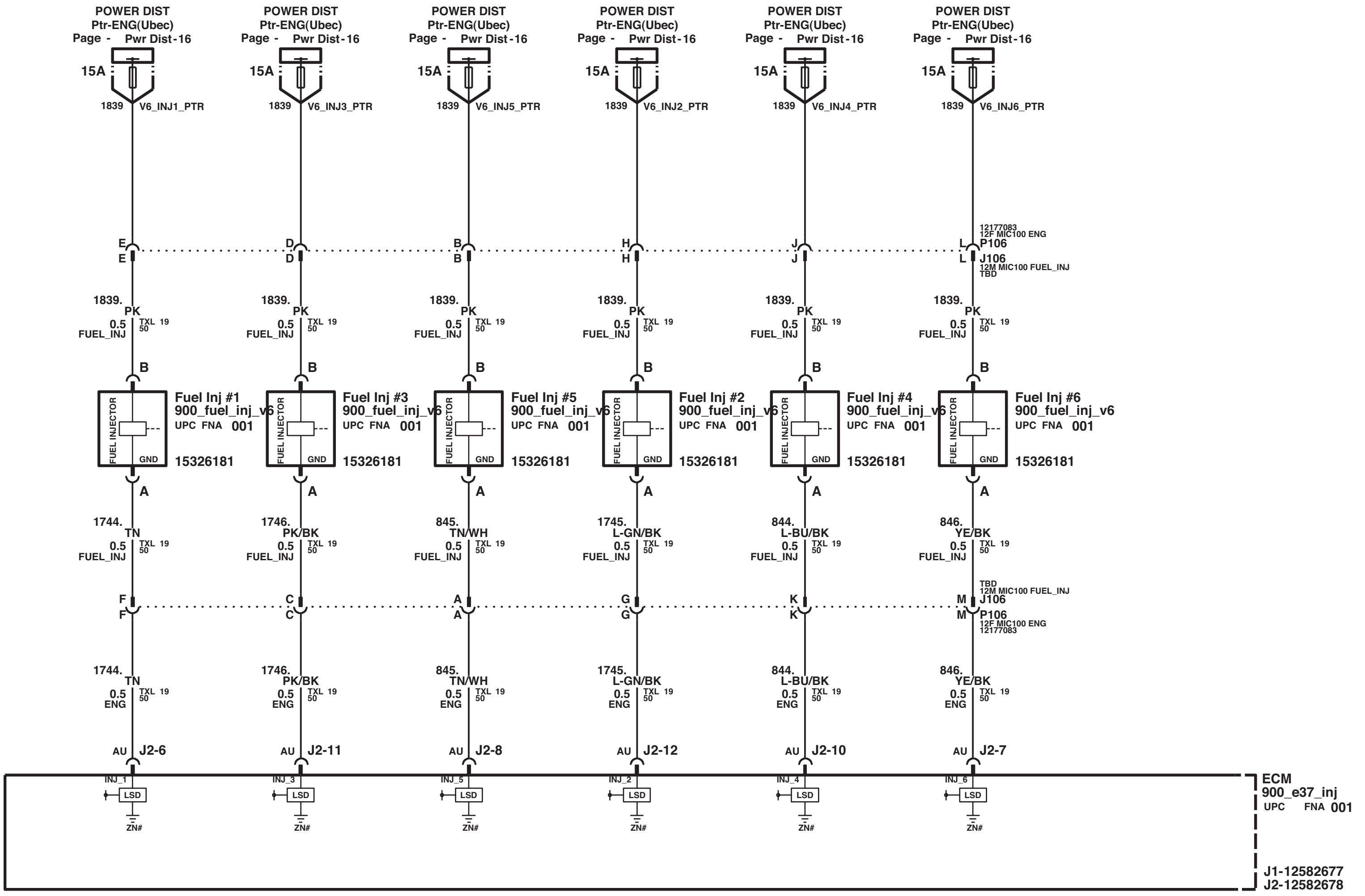
1_08_eng_ctrl_v6 Panel 7 of 13

Panel Set: 7

&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ1_PTR
E
E
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #1
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
1744.
TN
0.5
FUEL_INJ
TXL 19
50
F
F
1744.
TN
0.5
ENG
TXL 19
50
AU J2-6
INJ_1
LSD
ZN#
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ3_PTR
D
D
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #3
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
1746.
PK/BK
0.5
FUEL_INJ
TXL 19
50
C
C
1746.
PK/BK
0.5
ENG
TXL 19
50
AU J2-11
INJ_3
LSD
ZN#
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ5_PTR
B
B
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #5
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
845.
TN/WH
0.5
FUEL_INJ
TXL 19
50
A
A
845.
TN/WH
0.5
ENG
TXL 19
50
AU J2-8
INJ_5
LSD
ZN#
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ2_PTR
H
H
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #2
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
1745.
L-GN/BK
0.5
FUEL_INJ
TXL 19
50
G
G
1745.
L-GN/BK
0.5
ENG
TXL 19
50
AU J2-12
INJ_2
LSD
ZN#
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ4_PTR
J
J
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #4
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
844.
L-BU/BK
0.5
FUEL_INJ
TXL 19
50
K
K
844.
L-BU/BK
0.5
ENG
TXL 19
50
AU J2-10
INJ_4
LSD
ZN#
POWER DIST
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 V6_INJ6_PTR
12177083
12F MIC100 ENG
L P106
L J106
12M MIC100 FUEL_INJ
TBD
1839.
PK
0.5
FUEL_INJ
TXL 19
50
B
Fuel Inj #6
900_fuel_inj_v6
UPC FNA 001
FUEL INJECTOR
GND
15326181
A
846.
YE/BK
0.5
FUEL_INJ
TXL 19
50
TBD
12M MIC100 FUEL_INJ
M J106
M P106
12F MIC100 ENG
12177083
846.
YE/BK
0.5
ENG
TXL 19
50
AU J2-7
INJ_6
LSD
ZN#
ECM
900_e37_inj
UPC FNA 001
J1-12582677
J2-12582678

ARE16376
003
GMT900
GM Proprietary

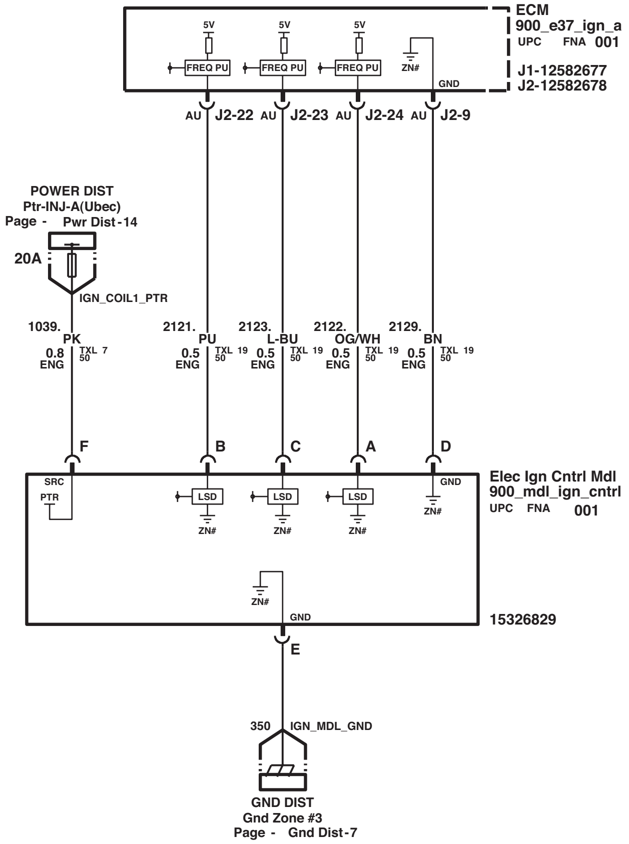
Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

1_08_eng_ctrl_v6 Panel 8 of 13 Panel Set: 8 &LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


ECM
900_e37_ign_a
UPC FNA 001
J1-12582677
J2-12582678
5V
5V
5V
FREQ PU
FREQ PU
FREQ PU
ZN#
GND
AU J2-22
AU J2-23
AU J2-24
AU J2-9
POWER DIST
Ptr-INJ-A(Ubec)
Page - Pwr Dist-14
20A
IGN_COIL1_PTR
1039. PK 0.8 ENG TXL 7 50
2121. PU 0.5 ENG TXL 19 50
2123. L-BU 0.5 ENG TXL 19 50
2122. OG/WH 0.5 ENG TXL 19 50
2129. BN 0.5 ENG TXL 19 50
F
B
C
A
D
SRC
PTR
LSD
LSD
LSD
ZN#
ZN#
ZN#
GND
ZN#
Elec Ign Cntrl Mdl
900_mdl_ign_cntrl
UPC FNA 001
ZN#
GND
15326829
E
350 IGN_MDL_GND
GND DIST
Gnd Zone #3
Page - Gnd Dist-7

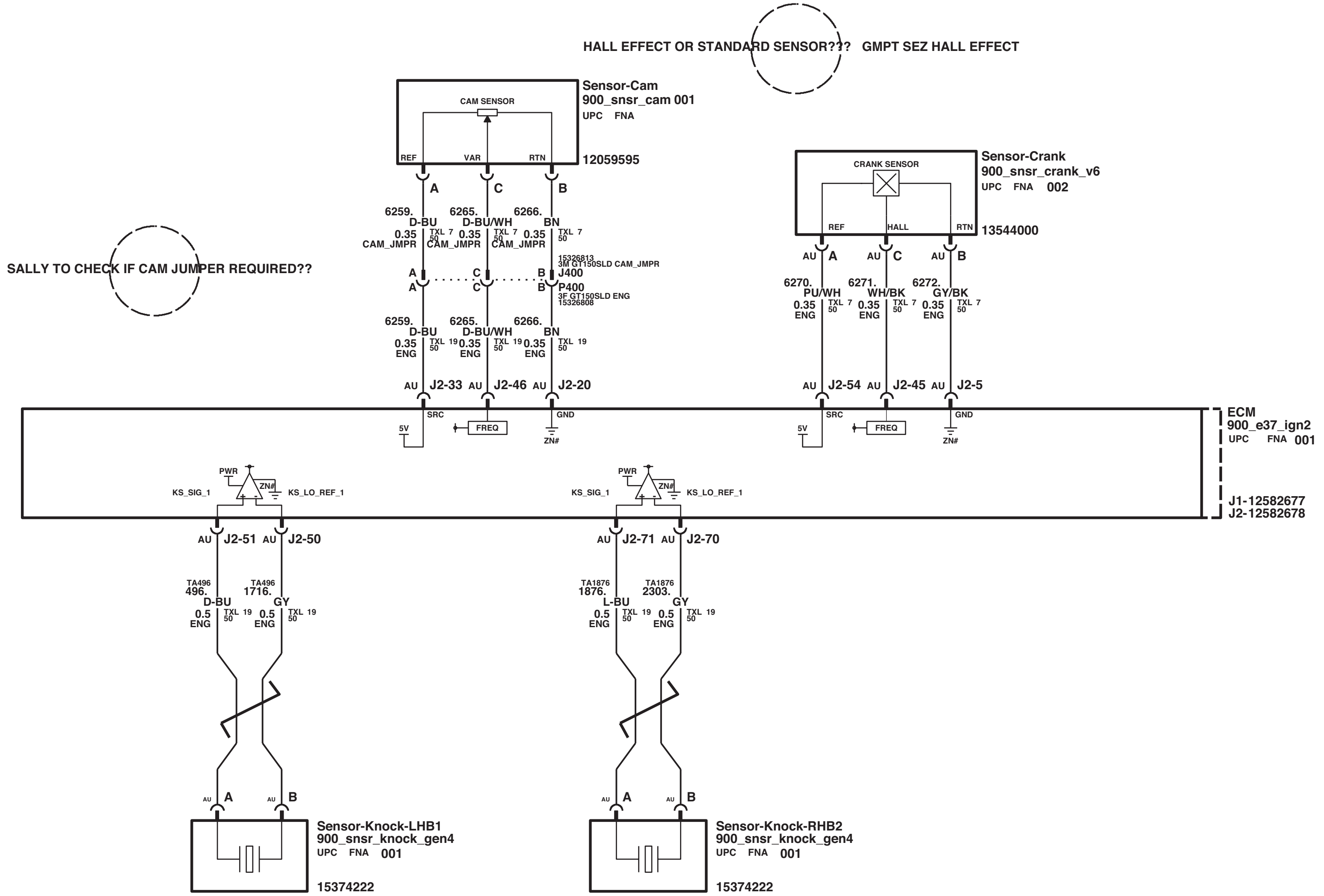
ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6
1_08_eng_ctrl_v6 Panel 9 of 13
Panel Set: 9
&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


Sensor-Cam
900_snsr_cam 001
UPC FNA
CAM SENSOR
REF
VAR
RTN
12059595
A
C
B
6259.
D-BU
0.35
TXL 7
50
CAM_JMPR
6265.
D-BU/WH
0.35
TXL 7
50
CAM_JMPR
6266.
BN
0.35
TXL 7
50
CAM_JMPR
15326813
3M GT150SLD CAM_JMPR
J400
P400
3F GT150SLD ENG
15326808
6259.
D-BU
0.35
TXL 19
50
ENG
6265.
D-BU/WH
0.35
TXL 19
50
ENG
6266.
BN
0.35
TXL 19
50
ENG
AU J2-33
AU J2-46
AU J2-20
Sensor-Crank
900_snsr_crank_v6
UPC FNA 002
CRANK SENSOR
REF
HALL
RTN
13544000
AU A
AU C
AU B
6270.
PU/WH
0.35
TXL 7
50
ENG
6271.
WH/BK
0.35
TXL 7
50
ENG
6272.
GY/BK
0.35
TXL 7
50
ENG
AU J2-54
AU J2-45
AU J2-5
SRC
5V
FREQ
GND
ZN#
ECM
900_e37_ign2
UPC FNA 001
J1-12582677
J2-12582678
PWR
ZN#
KS_SIG_1
KS_LO_REF_1
AU J2-51
AU J2-50
AU J2-71
AU J2-70
TA496
496.
D-BU
0.5
TXL 19
50
ENG
TA496
1716.
GY
0.5
TXL 19
50
ENG
TA1876
1876.
L-BU
0.5
TXL 19
50
ENG
TA1876
2303.
GY
0.5
TXL 19
50
ENG
AU A
AU B
Sensor-Knock-LHB1
900_snsr_knock_gen4
UPC FNA 001
15374222
Sensor-Knock-RHB2
900_snsr_knock_gen4
UPC FNA 001
15374222

HALL EFFECT OR STANDARD SENSOR??? GMPT SEZ HALL EFFECT

SALLY TO CHECK IF CAM JUMPER REQUIRED??

NOTE: ALL KNOCK SENSOR TERMINALS ARE GOLD PLATED

ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

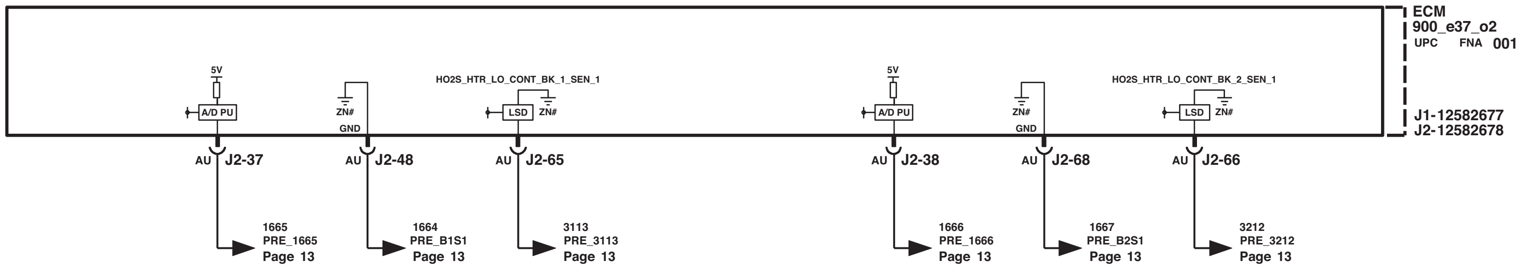
1_08_eng_ctrl_v6 Panel 10 of 13

Panel Set: 10

&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


ECM
900_e37_o2
UPC
FNA
001
J1-12582677
J2-12582678
5V
A/D PU
ZN#
GND
HO2S_HTR_LO_CONT_BK_1_SEN_1
LSD
ZN#
5V
A/D PU
ZN#
GND
HO2S_HTR_LO_CONT_BK_2_SEN_1
LSD
ZN#
AU
J2-37
AU
J2-48
AU
J2-65
AU
J2-38
AU
J2-68
AU
J2-66
1665
PRE_1665
Page 13
1664
PRE_B1S1
Page 13
3113
PRE_3113
Page 13
1666
PRE_1666
Page 13
1667
PRE_B2S1
Page 13
3212
PRE_3212
Page 13

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GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

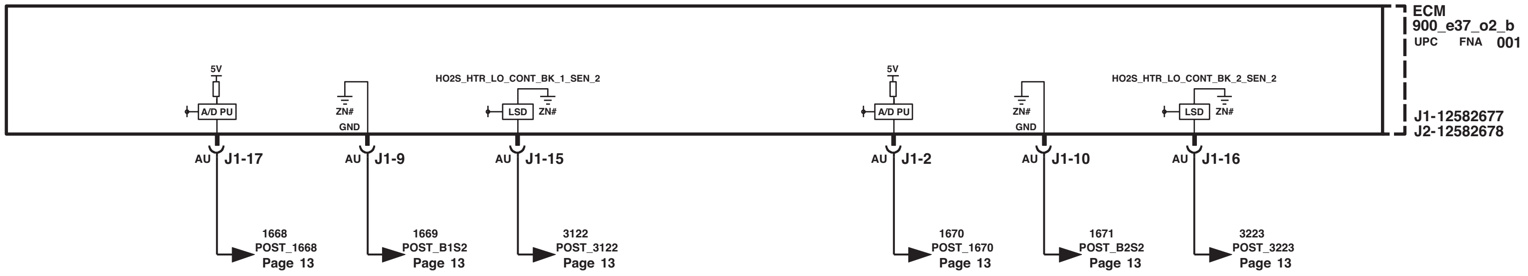
1_08_eng_ctrl_v6 Panel 11 of 13

Panel Set: 11

&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


ECM
900_e37_o2_b
UPC FNA 001
J1-12582677
J2-12582678
5V
A/D PU
ZN#
GND
HO2S_HTR_LO_CONT_BK_1_SEN_2
LSD
ZN#
5V
A/D PU
ZN#
GND
HO2S_HTR_LO_CONT_BK_2_SEN_2
LSD
ZN#
AU J1-17
AU J1-9
AU J1-15
AU J1-2
AU J1-10
AU J1-16
1668
POST_1668
Page 13
1669
POST_B1S2
Page 13
3122
POST_3122
Page 13
1670
POST_1670
Page 13
1671
POST_B2S2
Page 13
3223
POST_3223
Page 13

ARE16376
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

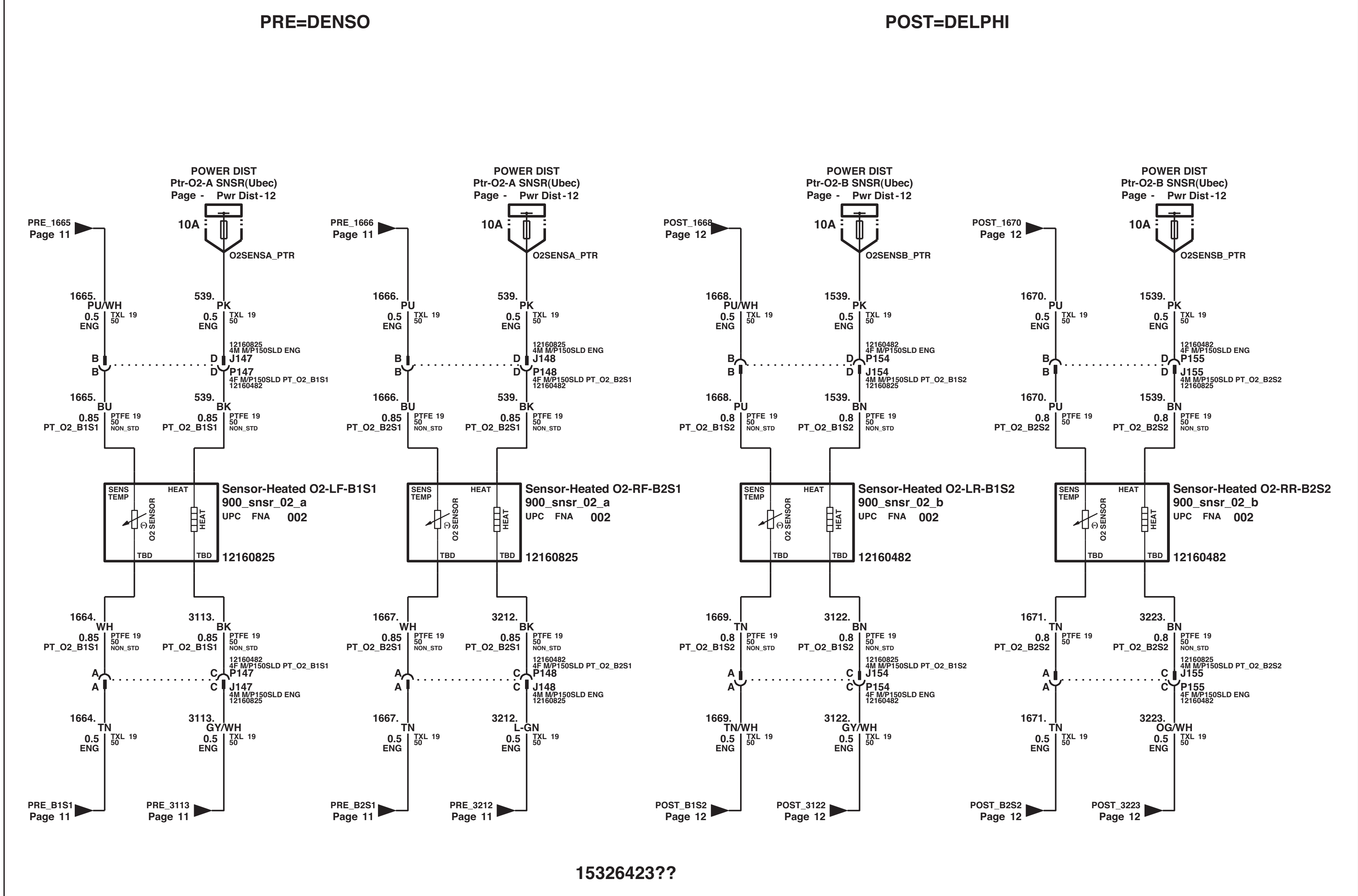
1_08_eng_ctrl_v6 Panel 12 of 13

Panel Set: 12

&LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V6


PRE=DENSO
POST=DELPHI
POWER DIST
Ptr-O2-A SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSA_PTR
Ptr-O2-B SNSR(Ubec)
O2SENSB_PTR
PRE_1665 Page 11
PRE_1666 Page 11
POST_1668 Page 12
POST_1670 Page 12
1665. PU/WH 0.5 ENG TXL 19 50
539. PK 0.5 ENG TXL 19 50
1666. PU 0.5 ENG TXL 19 50
1668. PU/WH 0.5 ENG TXL 19 50
1539. PK 0.5 ENG TXL 19 50
1670. PU 0.5 ENG TXL 19 50
12160825 4M M/P150SLD ENG
12160482 4F M/P150SLD ENG
J147 P147 4F M/P150SLD PT_O2_B1S1 12160482
J148 P148 4F M/P150SLD PT_O2_B2S1 12160482
P154 J154 4M M/P150SLD PT_O2_B1S2 12160825
P155 J155 4M M/P150SLD PT_O2_B2S2 12160825
B
D
A
C
1665. BU 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
539. BK 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
1666. BU 0.85 PT_O2_B2S1
539. BK 0.85 PT_O2_B2S1
1668. PU 0.8 PT_O2_B1S2
1539. BN 0.8 PT_O2_B1S2
1670. PU 0.8 PT_O2_B2S2
1539. BN 0.8 PT_O2_B2S2
SENS TEMP
HEAT
O2 SENSOR
TBD
Sensor-Heated O2-LF-B1S1 900_snsr_02_a UPC FNA 002 12160825
Sensor-Heated O2-RF-B2S1 900_snsr_02_a UPC FNA 002 12160825
Sensor-Heated O2-LR-B1S2 900_snsr_02_b UPC FNA 002 12160482
Sensor-Heated O2-RR-B2S2 900_snsr_02_b UPC FNA 002 12160482
1664. WH 0.85 PT_O2_B1S1
3113. BK 0.85 PT_O2_B1S1
1667. WH 0.85 PT_O2_B2S1
3212. BK 0.85 PT_O2_B2S1
1669. TN 0.8 PT_O2_B1S2
3122. BN 0.8 PT_O2_B1S2
1671. TN 0.8 PT_O2_B2S2
3223. BN 0.8 PT_O2_B2S2
1664. TN 0.5 ENG TXL 19 50
3113. GY/WH 0.5 ENG
1667. TN 0.5 ENG
3212. L-GN 0.5 ENG
1669. TN/WH 0.5 ENG
3122. GY/WH 0.5 ENG
1671. TN 0.5 ENG
3223. OG/WH 0.5 ENG
PRE_B1S1 Page 11
PRE_3113 Page 11
PRE_B2S1 Page 11
PRE_3212 Page 11
POST_B1S2 Page 12
POST_3122 Page 12
POST_B2S2 Page 12
POST_3223 Page 12
15326423??

ARE16376
003
GMT900
GM Proprietary

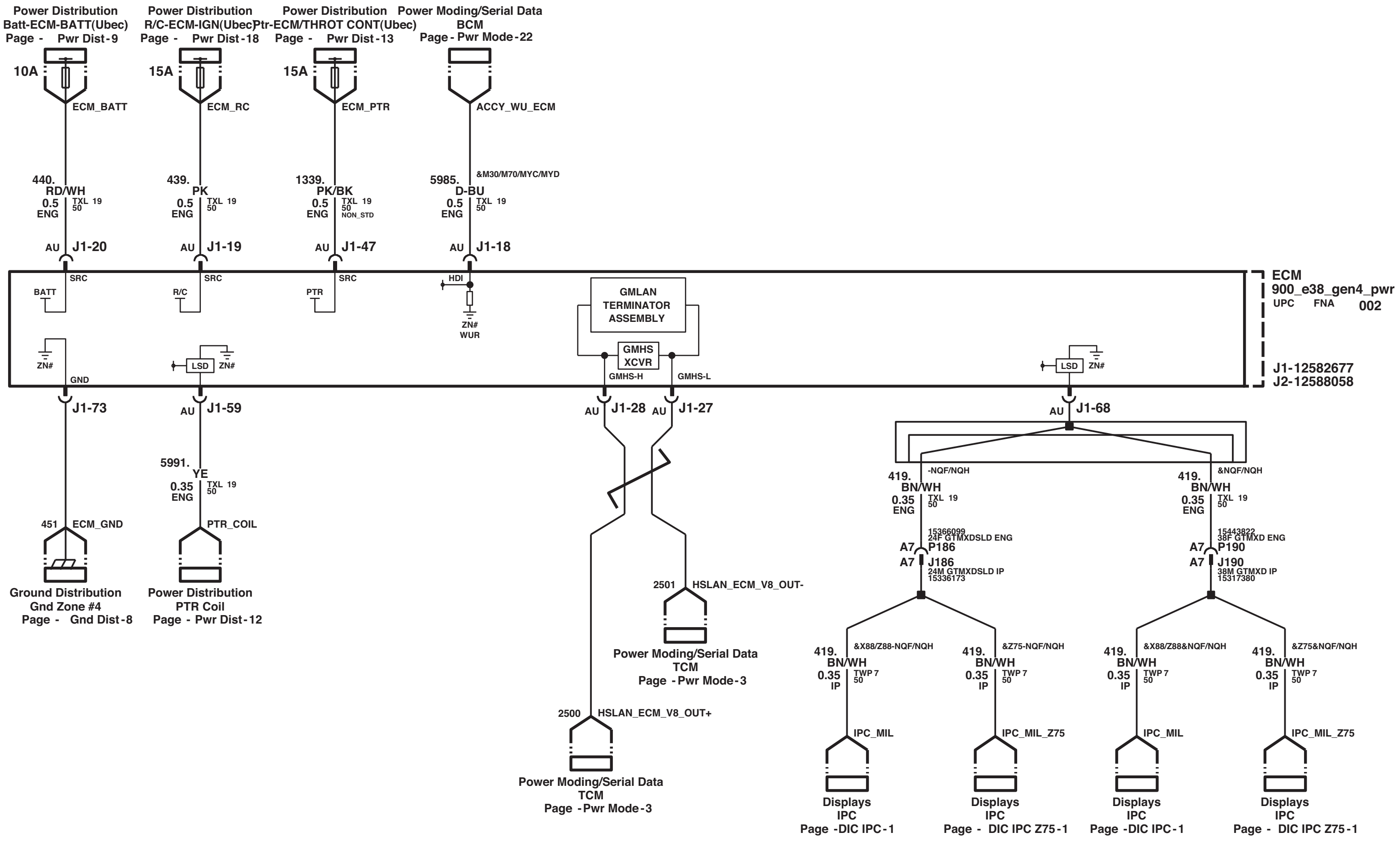
Thursday, July 13, 2006
7:35:25 am 2
IEC/ESI

Engine Controls: Gas - V6

1_08_eng_ctrl_v6 Panel 13 of 13 Panel Set: 13 &LU3

0
GMT900
:::D
System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Batt-ECM-BATT(Ubec)
Page - Pwr Dist - 9
Power Distribution
R/C-ECM-IGN(Ubec)
Page - Pwr Dist - 18
Power Distribution
Ptr-ECM/THROT CONT(Ubec)
Page - Pwr Dist - 13
Power Moding/Serial Data
BCM
Page - Pwr Mode - 22
10A
15A
15A
ECM_BATT
ECM_RC
ECM_PTR
ACCY_WU_ECM
&M30/M70/MYC/MYD
440.
RD/WH
0.5
ENG
TXL 19
50
439.
PK
0.5
ENG
TXL 19
50
1339.
PK/BK
0.5
ENG
TXL 19
50
NON_STD
5985.
D-BU
0.5
ENG
TXL 19
50
AU J1-20
AU J1-19
AU J1-47
AU J1-18
SRC
BATT
SRC
R/C
SRC
PTR
HDI
ZN#
WUR
GMLAN
TERMINATOR
ASSEMBLY
GMHS
XCVR
GMHS-H
GMHS-L
ECM
900_e38_gen4_pwr
UPC FNA 002
J1-12582677
J2-12588058
ZN#
GND
LSD
ZN#
LSD
ZN#
J1-73
AU J1-59
AU J1-28
AU J1-27
AU J1-68
5991.
YE
0.35
ENG
TXL 19
50
451 ECM_GND
PTR_COIL
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8
Power Distribution
PTR Coil
Page - Pwr Dist - 12
2501 HSLAN_ECM_V8_OUT-
Power Moding/Serial Data
TCM
Page - Pwr Mode - 3
2500 HSLAN_ECM_V8_OUT+
Power Moding/Serial Data
TCM
Page - Pwr Mode - 3
419.
BN/WH
0.35
ENG
TXL 19
50
-NQF/NQH
15366099
24F GTMXDSLD ENG
A7 P186
A7 J186
24M GTMXDSLD IP
15336173
419.
BN/WH
0.35
ENG
TXL 19
50
&NQF/NQH
15443822
38F GTMXD ENG
A7 P190
A7 J190
38M GTMXD IP
15317380
419.
BN/WH
0.35
IP
TWP 7
50
&X88/Z88-NQF/NQH
419.
BN/WH
0.35
IP
TWP 7
50
&Z75-NQF/NQH
419.
BN/WH
0.35
IP
TWP 7
50
&X88/Z88&NQF/NQH
419.
BN/WH
0.35
IP
TWP 7
50
&Z75&NQF/NQH
IPC_MIL
IPC_MIL_Z75
IPC_MIL
IPC_MIL_Z75
Displays
IPC
Page - DIC IPC - 1
Displays
IPC
Page - DIC IPC Z75 - 1
Displays
IPC
Page - DIC IPC - 1
Displays
IPC
Page - DIC IPC Z75 - 1

ARE16377
003
GMT900
GM Proprietary

Monday, October 16, 2006
8:28:50 am 18
IEC/ESI

Engine Controls: Gas - V8

1_08_eng_ctrl_v8 Panel 1 of 18

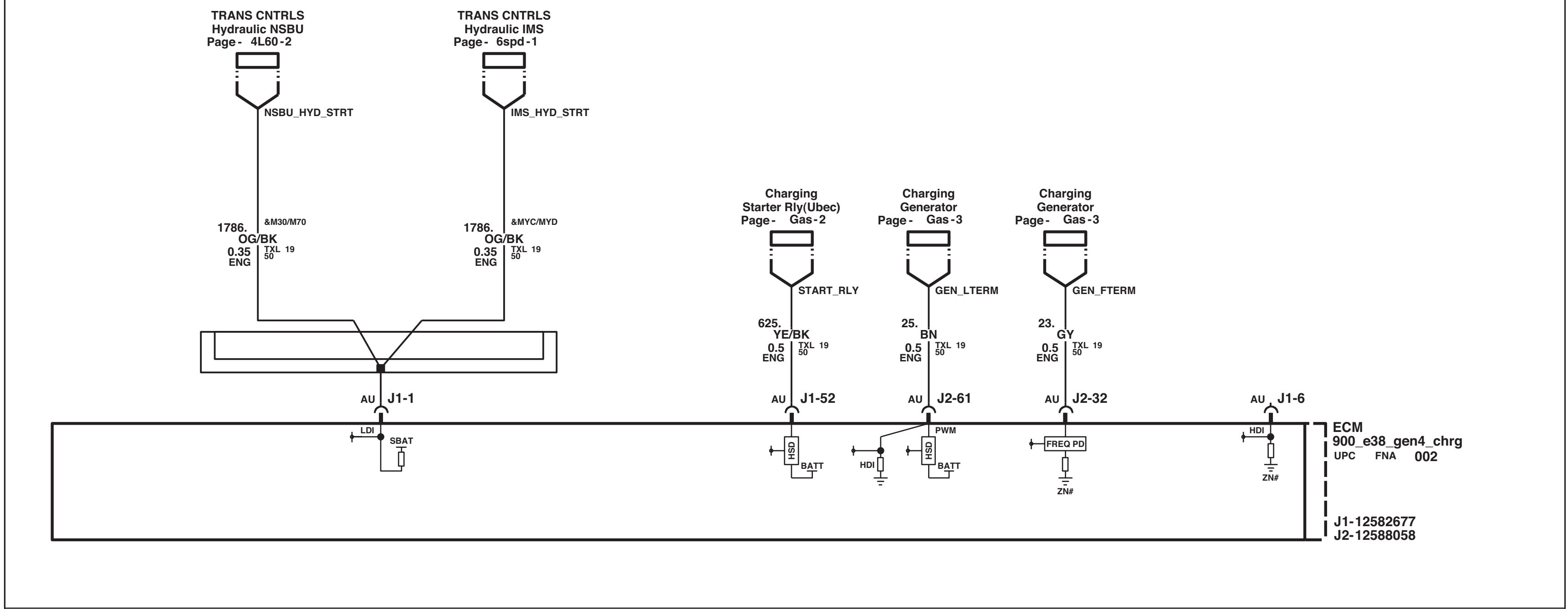
Panel Set: 1

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – V8


TRANS CNTRLS
Hydraulic NSBU
Page - 4L60 - 2
NSBU_HYD_STRT
TRANS CNTRLS
Hydraulic IMS
Page - 6spd - 1
IMS_HYD_STRT
1786.
OG/BK
0.35
ENG
&M30/M70
TXL 19
50
1786.
OG/BK
0.35
ENG
&MYC/MYD
TXL 19
50
Charging
Starter Rly(Ubec)
Page - Gas - 2
START_RLY
625.
YE/BK
0.5
ENG
TXL 19
50
Charging
Generator
Page - Gas - 3
GEN_LTERM
25.
BN
0.5
ENG
TXL 19
50
Charging
Generator
Page - Gas - 3
GEN_FTERM
23.
GY
0.5
ENG
TXL 19
50
AU J1-1
AU J1-52
AU J2-61
AU J2-32
AU J1-6
LDI
SBAT
HSD
BATT
HDI
HSD
PWM
BATT
FREQ PD
ZN#
HDI
ZN#
ECM
900_e38_gen4_chrg
UPC FNA 002
J1-12582677
J2-12588058

ARE16377
003
GMT900
GM Proprietary

Monday, October 16, 2006
8:28:50 am 18
IEC/ESI

Engine Controls: Gas - V8

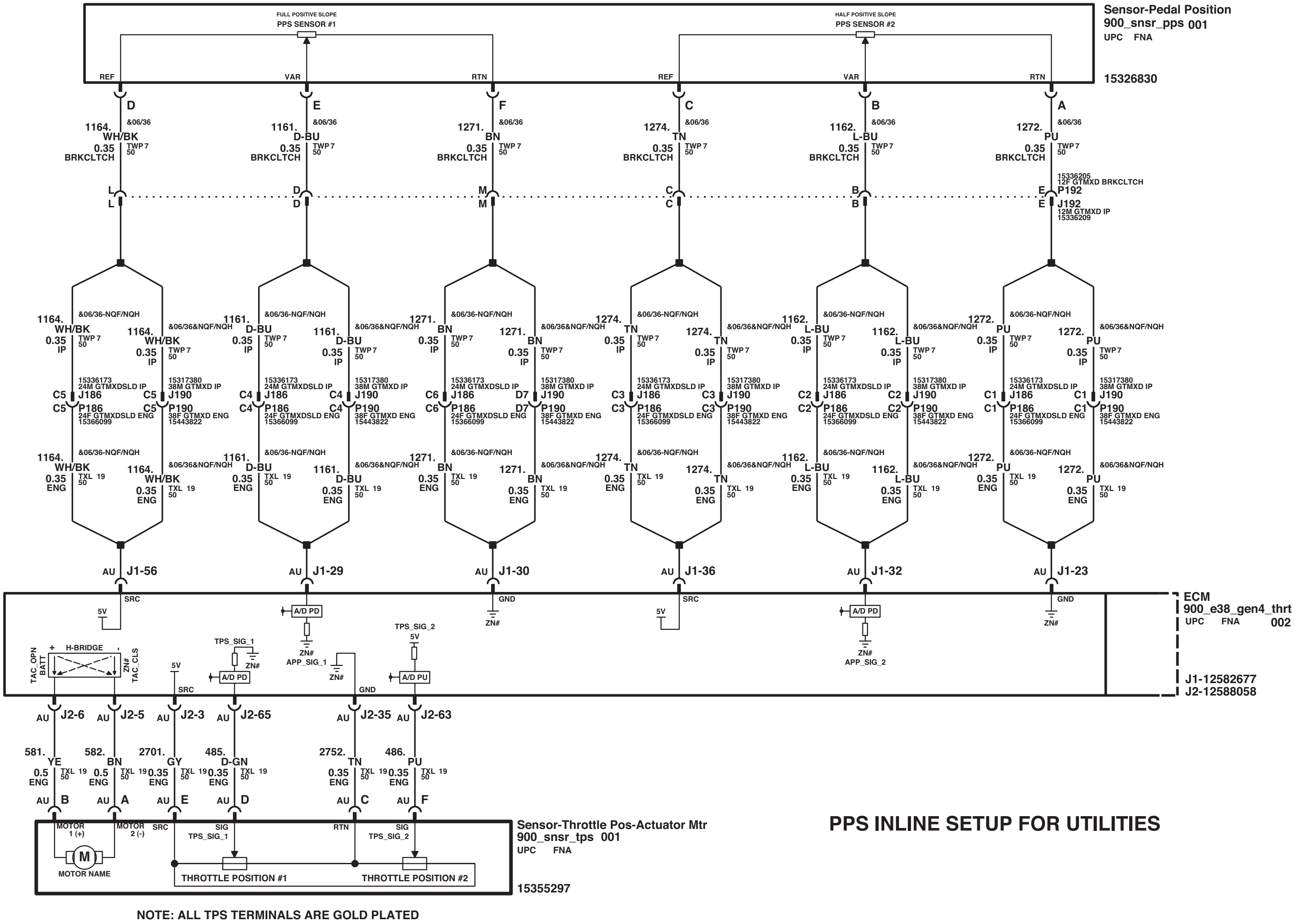
1_08_eng_ctrl_v8 Panel 2 of 18

Panel Set: 2

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
REF
VAR
RTN
D
E
F
C
B
A
&06/36
1164. WH/BK 0.35 BRKCLTCH TWP 7 50
1161. D-BU 0.35 BRKCLTCH TWP 7 50
1271. BN 0.35 BRKCLTCH TWP 7 50
1274. TN 0.35 BRKCLTCH TWP 7 50
1162. L-BU 0.35 BRKCLTCH TWP 7 50
1272. PU 0.35 BRKCLTCH TWP 7 50
15336205
12F GTMXD BRKCLTCH
P192
J192
12M GTMXD IP
15336209
L
D
M
C
B
E
&06/36-NQF/NQH
&06/36&NQF/NQH
0.35 IP TWP 7 50
0.35 ENG TXL 19 50
15336173
24M GTMXDSLD IP
15317380
38M GTMXD IP
J186
J190
P186
P190
24F GTMXDSLD ENG
15366099
38F GTMXD ENG
15443822
C5
C4
C6
D7
C3
C2
C1
AU J1-56
AU J1-29
AU J1-30
AU J1-36
AU J1-32
AU J1-23
ECM
900_e38_gen4_thrt
UPC FNA 002
J1-12582677
J2-12588058
SRC
GND
5V
A/D PD
A/D PU
ZN#
APP_SIG_1
APP_SIG_2
TPS_SIG_1
TPS_SIG_2
H-BRIDGE
TAC_OPN
BATT
TAC_CLS
AU J2-6
AU J2-5
AU J2-3
AU J2-65
AU J2-35
AU J2-63
581. YE 0.5 ENG TXL 19 50
582. BN 0.5 ENG TXL 19 50
2701. GY 0.35 ENG TXL 19 50
485. D-GN 0.35 ENG TXL 19 50
2752. TN 0.35 ENG TXL 19 50
486. PU 0.35 ENG TXL 19 50
AU B
AU A
AU E
AU D
AU C
AU F
MOTOR 1 (+)
MOTOR 2 (-)
SRC
SIG
RTN
M
MOTOR NAME
THROTTLE POSITION #1
THROTTLE POSITION #2
Sensor-Throttle Pos-Actuator Mtr
900_snsr_tps 001
UPC FNA
15355297
PPS INLINE SETUP FOR UTILITIES
NOTE: ALL TPS TERMINALS ARE GOLD PLATED

ARE16377
003
GMT900
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Monday, October 16, 2006
8:28:50 am 18
IEC/ESI

Engine Controls: Gas - V8

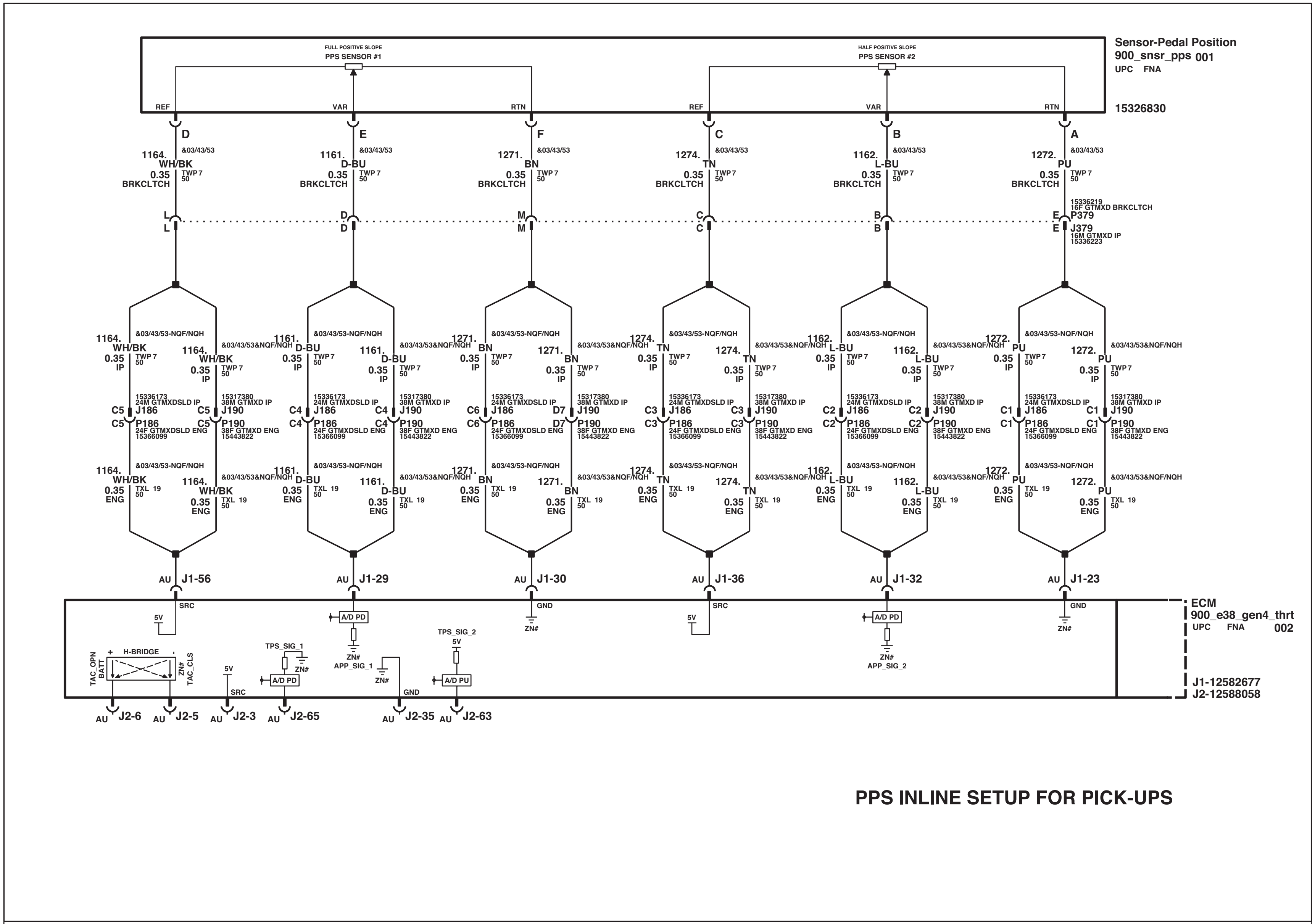
1_08_eng_ctrl_v8 Panel 3 of 18

Panel Set: 3

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
REF
VAR
RTN
REF
VAR
RTN
D
E
F
C
B
A
1164. WH/BK 0.35 BRKCLTCH TWP 7 50 &03/43/53
1161. D-BU 0.35 BRKCLTCH TWP 7 50 &03/43/53
1271. BN 0.35 BRKCLTCH TWP 7 50 &03/43/53
1274. TN 0.35 BRKCLTCH TWP 7 50 &03/43/53
1162. L-BU 0.35 BRKCLTCH TWP 7 50 &03/43/53
1272. PU 0.35 BRKCLTCH TWP 7 50 &03/43/53
L L
D D
M M
C C
B B
E E
15336219 16F GTMXD BRKCLTCH P379
J379 16M GTMXD IP 15336223
&03/43/53-NQF/NQH
&03/43/53&NQF/NQH
0.35 IP TWP 7 50
15336173 24M GTMXDSLD IP J186
15317380 38M GTMXD IP J190
P186 24F GTMXDSLD ENG 15366099
P190 38F GTMXD ENG 15443822
C5 C5 C5 C5
C4 C4 C4 C4
C6 C6 D7 D7
C3 C3 C3 C3
C2 C2 C2 C2
C1 C1 C1 C1
0.35 ENG TXL 19 50
AU J1-56
AU J1-29
AU J1-30
AU J1-36
AU J1-32
AU J1-23
SRC
5V
A/D PD
ZN#
APP_SIG_1
GND
APP_SIG_2
ECM
900_e38_gen4_thrt
UPC FNA 002
J1-12582677
J2-12588058
TAC_OPN
BATT
H-BRIDGE
ZN#
TAC_CLS
TPS_SIG_1
TPS_SIG_2
A/D PU
AU J2-6
AU J2-5
AU J2-3
AU J2-65
AU J2-35
AU J2-63
PPS INLINE SETUP FOR PICK-UPS

ARE16377
003
GMT900
GM Proprietary

Monday, October 16, 2006
8:28:50 am 18
IEC/ESI

Engine Controls: Gas - V8

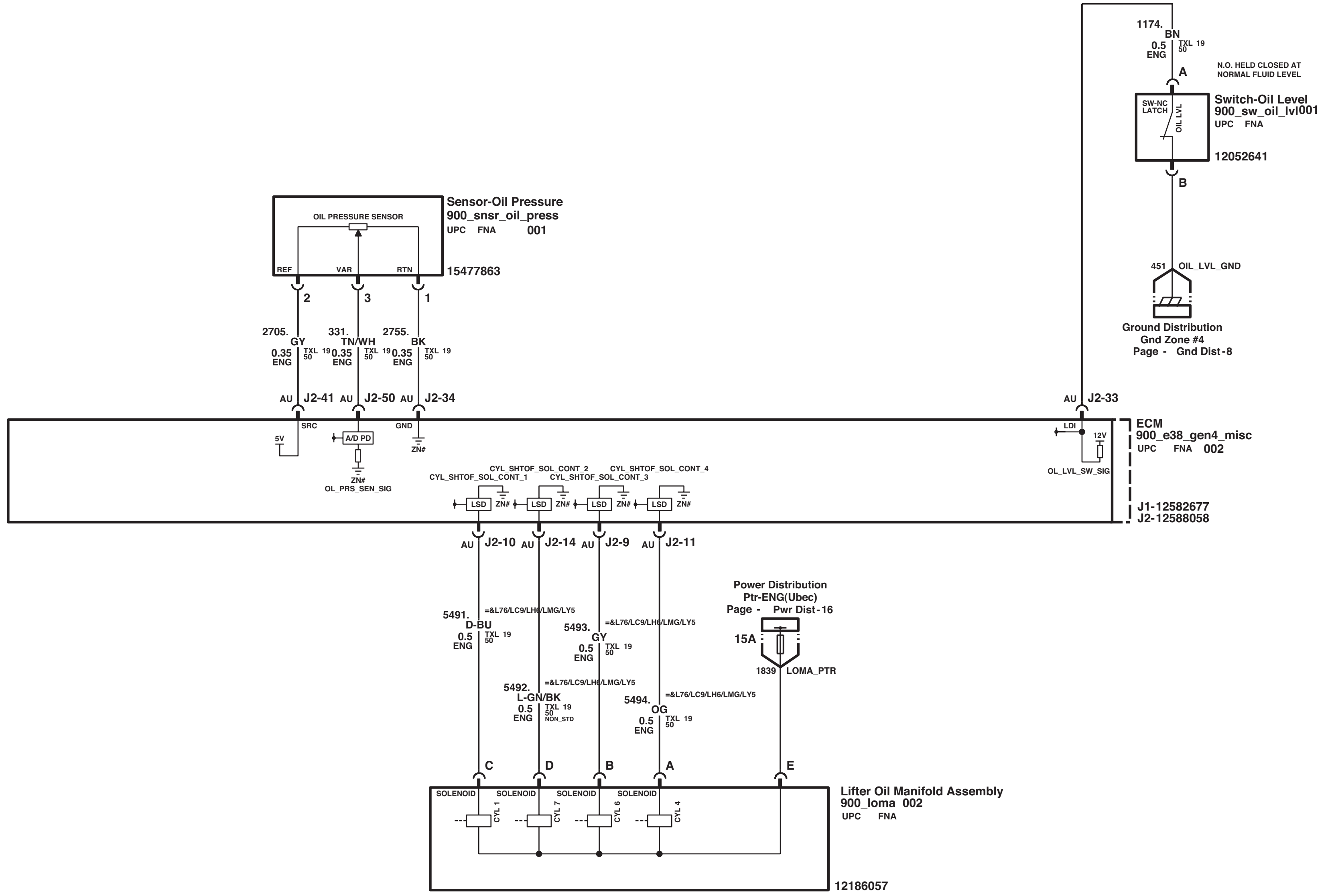
1_08_eng_ctrl_v8 Panel 4 of 18

Panel Set: 4

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


1174.
BN
0.5 TXL 19 50
ENG
A
N.O. HELD CLOSED AT NORMAL FLUID LEVEL
SW-NC LATCH
OIL LVL
Switch-Oil Level
900_sw_oil_lvl001
UPC FNA
12052641
B
451 OIL_LVL_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
Sensor-Oil Pressure
900_snsr_oil_press
UPC FNA 001
OIL PRESSURE SENSOR
REF
VAR
RTN
15477863
2
3
1
2705.
GY
0.35 TXL 19 50
ENG
331.
TN/WH
0.35 TXL 19 50
ENG
2755.
BK
0.35 TXL 19 50
ENG
AU J2-41
AU J2-50
AU J2-34
AU J2-33
SRC
5V
A/D PD
GND
ZN#
ZN#
OL_PRS_SEN_SIG
LDI
12V
OL_LVL_SW_SIG
ECM
900_e38_gen4_misc
UPC FNA 002
J1-12582677
J2-12588058
CYL_SHTOF_SOL_CONT_1
CYL_SHTOF_SOL_CONT_2
CYL_SHTOF_SOL_CONT_3
CYL_SHTOF_SOL_CONT_4
LSD ZN#
LSD ZN#
LSD ZN#
LSD ZN#
AU J2-10
AU J2-14
AU J2-9
AU J2-11
5491.
=&L76/LC9/LH6/LMG/LY5
D-BU
0.5 TXL 19 50
ENG
5493.
=&L76/LC9/LH6/LMG/LY5
GY
0.5 TXL 19 50
ENG
5492.
=&L76/LC9/LH6/LMG/LY5
L-GN/BK
0.5 TXL 19 50 NON_STD
ENG
5494.
=&L76/LC9/LH6/LMG/LY5
OG
0.5 TXL 19 50
ENG
Power Distribution
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 LOMA_PTR
C
D
B
A
E
SOLENOID
SOLENOID
SOLENOID
SOLENOID
CYL 1
CYL 7
CYL 6
CYL 4
Lifter Oil Manifold Assembly
900_loma 002
UPC FNA
12186057

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Engine Controls: Gas - V8

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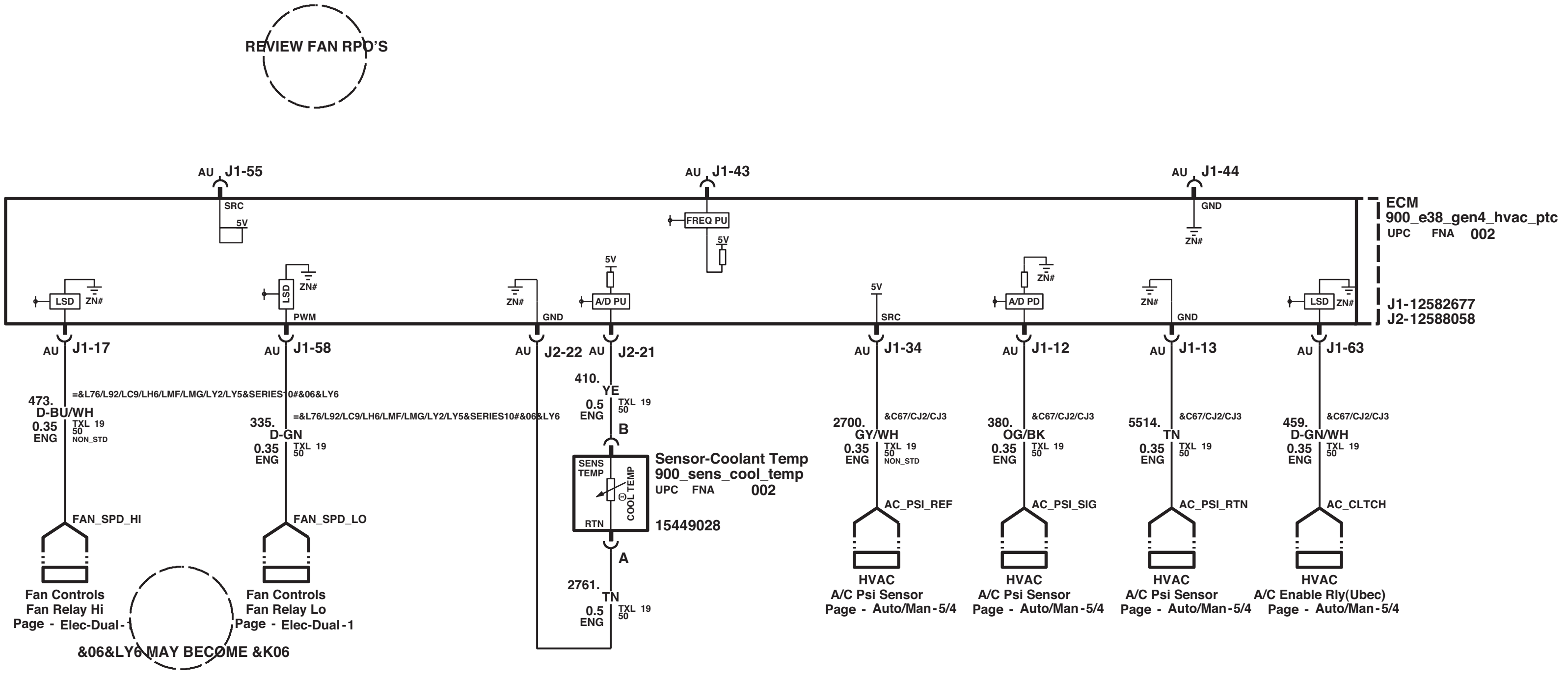
Panel Set: 5

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


REVIEW FAN RPO'S
AU J1-55
SRC
5V
AU J1-43
FREQ PU
5V
AU J1-44
GND
ZN#
ECM
900_e38_gen4_hvac_ptc
UPC FNA 002
J1-12582677
J2-12588058
LSD ZN#
LSD ZN#
PWM
ZN#
GND
5V
A/D PU
5V
SRC
A/D PD ZN#
ZN#
GND
LSD ZN#
AU J1-17
AU J1-58
AU J2-22
AU J2-21
AU J1-34
AU J1-12
AU J1-13
AU J1-63
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5&SERIES10#&06&LY6
473.
D-BU/WH
0.35 ENG TXL 19 50 NON_STD
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5&SERIES10#&06&LY6
335.
D-GN
0.35 ENG TXL 19 50
410.
YE
0.5 ENG TXL 19 50
B
SENS TEMP
COOL TEMP
RTN
Sensor-Coolant Temp
900_sens_cool_temp
UPC FNA 002
15449028
A
2761.
TN
0.5 ENG TXL 19 50
&C67/CJ2/CJ3
2700.
GY/WH
0.35 ENG TXL 19 50 NON_STD
&C67/CJ2/CJ3
380.
OG/BK
0.35 ENG TXL 19 50
&C67/CJ2/CJ3
5514.
TN
0.35 ENG TXL 19 50
&C67/CJ2/CJ3
459.
D-GN/WH
0.35 ENG TXL 19 50
FAN_SPD_HI
FAN_SPD_LO
AC_PSI_REF
AC_PSI_SIG
AC_PSI_RTN
AC_CLTCH
Fan Controls
Fan Relay Hi
Page - Elec-Dual-1
Fan Controls
Fan Relay Lo
Page - Elec-Dual-1
HVAC
A/C Psi Sensor
Page - Auto/Man-5/4
HVAC
A/C Psi Sensor
Page - Auto/Man-5/4
HVAC
A/C Psi Sensor
Page - Auto/Man-5/4
HVAC
A/C Enable Rly(Ubec)
Page - Auto/Man-5/4
&06&LY6 MAY BECOME &K06

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Engine Controls: Gas - V8

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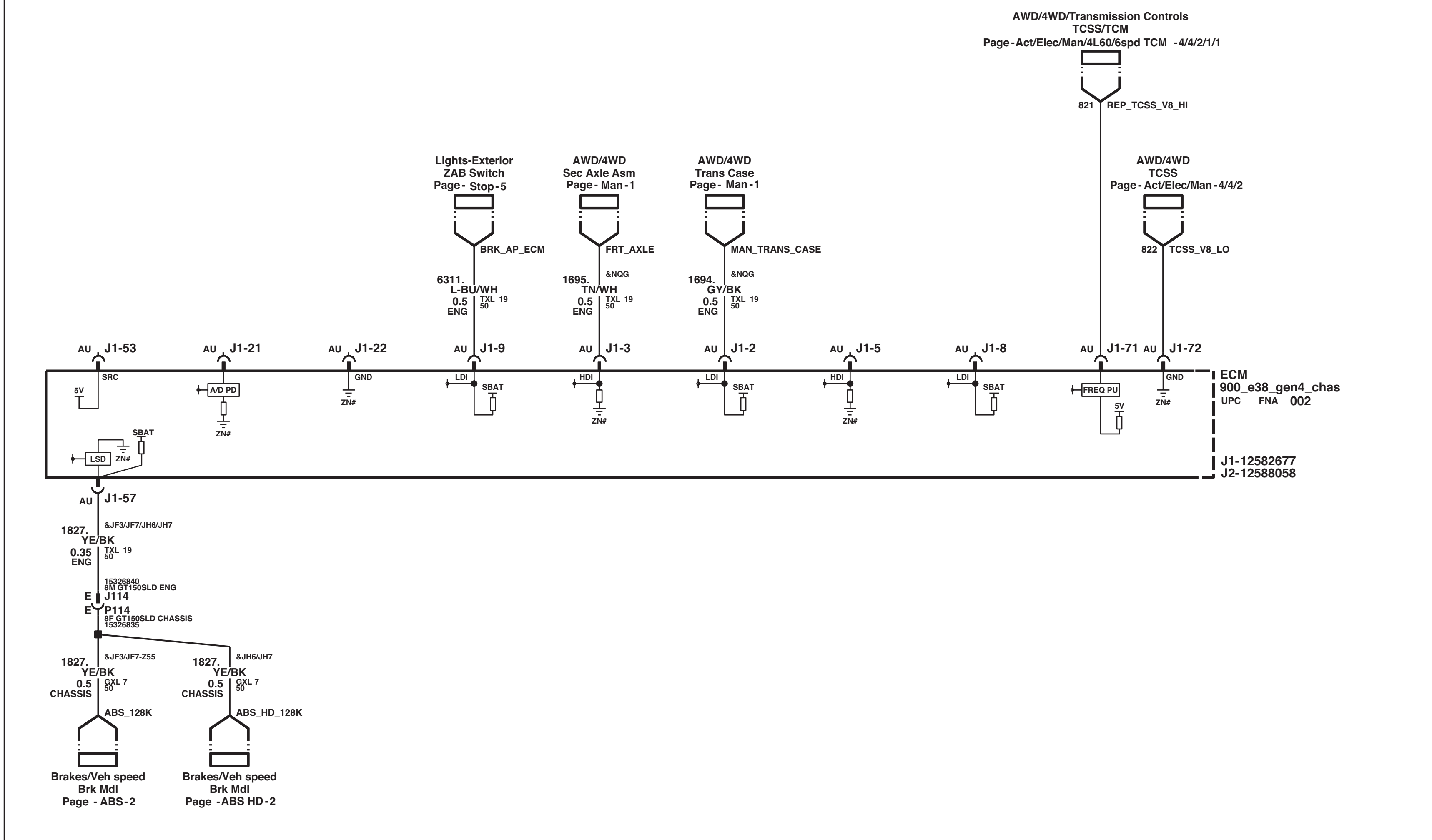
Panel Set: 6

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


AWD/4WD/Transmission Controls
TCSS/TCM
Page - Act/Elec/Man/4L60/6spd TCM -4/4/2/1/1
821 REP_TCSS_V8_HI
Lights-Exterior
ZAB Switch
Page - Stop - 5
AWD/4WD
Sec Axle Asm
Page - Man - 1
AWD/4WD
Trans Case
Page - Man - 1
AWD/4WD
TCSS
Page - Act/Elec/Man - 4/4/2
BRK_AP_ECM
FRT_AXLE
MAN_TRANS_CASE
822 TCSS_V8_LO
&NQG
&NQG
6311.
L-BU/WH
0.5
ENG
TXL 19
50
1695.
TN/WH
0.5
ENG
TXL 19
50
1694.
GY/BK
0.5
ENG
TXL 19
50
AU J1-53
AU J1-21
AU J1-22
AU J1-9
AU J1-3
AU J1-2
AU J1-5
AU J1-8
AU J1-71
AU J1-72
SRC
5V
A/D PD
ZN#
GND
ZN#
LDI
SBAT
HDI
ZN#
LDI
SBAT
HDI
ZN#
LDI
SBAT
FREQ PU
5V
GND
ZN#
SBAT
LSD
ZN#
ECM
900_e38_gen4_chas
UPC FNA 002
J1-12582677
J2-12588058
AU J1-57
&JF3/JF7/JH6/JH7
1827.
YE/BK
0.35
ENG
TXL 19
50
15326840
8M GT150SLD ENG
E J114
E P114
8F GT150SLD CHASSIS
15326835
&JF3/JF7-Z55
1827.
YE/BK
0.5
CHASSIS
GXL 7
50
&JH6/JH7
1827.
YE/BK
0.5
CHASSIS
GXL 7
50
ABS_128K
ABS_HD_128K
Brakes/Veh speed
Brk Mdl
Page - ABS - 2
Brakes/Veh speed
Brk Mdl
Page - ABS HD - 2

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Engine Controls: Gas - V8

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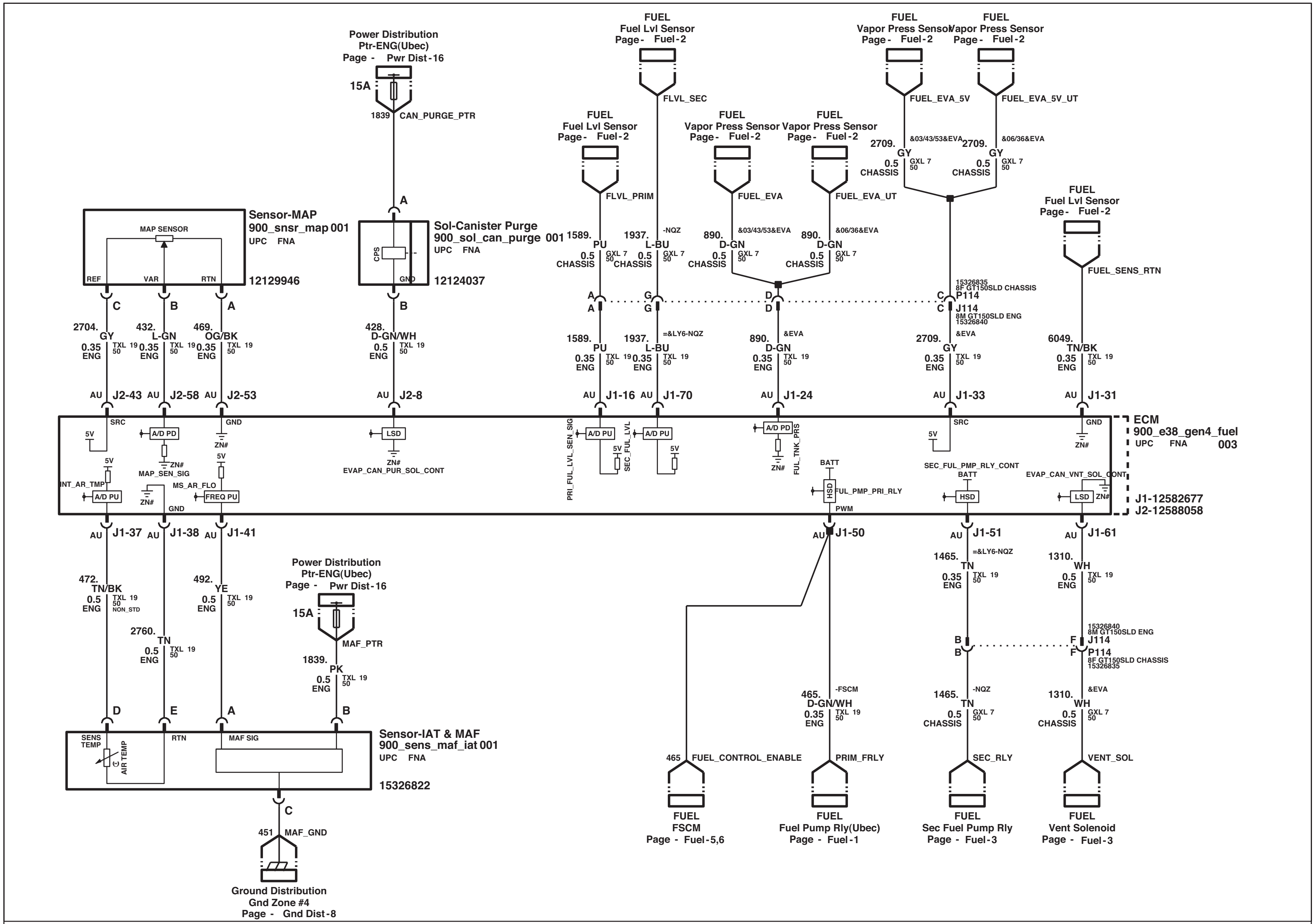
Panel Set: 7

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
1839 CAN_PURGE_PTR
FUEL
Fuel Lvl Sensor
Page - Fuel-2
FLVL_SEC
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL_EVA_5V
FUEL_EVA_5V_UT
2709. &03/43/53&EVA GY 0.5 GXL 7 50 CHASSIS
2709. &06/36&EVA GY 0.5 GXL 7 50 CHASSIS
FUEL
Fuel Lvl Sensor
Page - Fuel-2
FLVL_PRIM
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL_EVA
FUEL
Vapor Press Sensor
Page - Fuel-2
FUEL_EVA_UT
FUEL
Fuel Lvl Sensor
Page - Fuel-2
FUEL_SENS_RTN
Sensor-MAP
900_snsr_map 001
UPC FNA
12129946
MAP SENSOR
REF VAR RTN
C B A
Sol-Canister Purge
900_sol_can_purge 001
UPC FNA
12124037
CPS GND
A B
1589. PU 0.5 GXL 7 50 CHASSIS
1937. -NQZ L-BU 0.5 GXL 7 50 CHASSIS
890. &03/43/53&EVA D-GN 0.5 GXL 7 50 CHASSIS
890. &06/36&EVA D-GN 0.5 GXL 7 50 CHASSIS
15326835
8F GT150SLD CHASSIS
P114
J114
8M GT150SLD ENG
15326840
A G D C
2704. GY 0.35 ENG TXL 19 50
432. L-GN 0.35 ENG TXL 19 50
469. OG/BK 0.35 ENG TXL 19 50
428. D-GN/WH 0.5 ENG TXL 19 50
1589. PU 0.35 ENG TXL 19 50
1937. =&LY6-NQZ L-BU 0.35 ENG TXL 19 50
890. &EVA D-GN 0.35 ENG TXL 19 50
2709. &EVA GY 0.35 ENG TXL 19 50
6049. TN/BK 0.35 ENG TXL 19 50
AU J2-43 AU J2-58 AU J2-53 AU J2-8 AU J1-16 AU J1-70 AU J1-24 AU J1-33 AU J1-31
SRC 5V A/D PD GND ZN# 5V LSD ZN# EVAP_CAN_PUR_SOL_CONT
5V INT_AR_TMP A/D PU ZN# MAP_SEN_SIG MS_AR_FLO FREQ PU GND
PRI_FUL_LVL_SEN_SIG A/D PU 5V SEC_FUL_LVL A/D PU 5V
A/D PD ZN# FUL_TNK_PRS
BATT HSD FUL_PMP_PRI_RLY PWM
SRC 5V SEC_FUL_PMP_RLY_CONT BATT HSD
GND ZN# EVAP_CAN_VNT_SOL_CONT LSD ZN#
ECM
900_e38_gen4_fuel
UPC FNA 003
J1-12582677
J2-12588058
AU J1-37 AU J1-38 AU J1-41 AU J1-50 AU J1-51 AU J1-61
472. TN/BK 0.5 ENG TXL 19 50 NON_STD
2760. TN 0.5 ENG TXL 19 50
492. YE 0.5 ENG TXL 19 50
Power Distribution
Ptr-ENG(Ubec)
Page - Pwr Dist-16
15A
MAF_PTR
1839. PK 0.5 ENG TXL 19 50
1465. =&LY6-NQZ TN 0.35 ENG TXL 19 50
1310. WH 0.5 ENG TXL 19 50
15326840
8M GT150SLD ENG
J114
P114
8F GT150SLD CHASSIS
15326835
B F
465. -FSCM D-GN/WH 0.35 ENG TXL 19 50
1465. -NQZ TN 0.5 GXL 7 50 CHASSIS
1310. &EVA WH 0.5 GXL 7 50 CHASSIS
D E A B
Sensor-IAT & MAF
900_sens_maf_iat 001
UPC FNA
15326822
SENS TEMP
AIR TEMP
RTN
MAF SIG
C
451 MAF_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
465 FUEL_CONTROL_ENABLE
FUEL
FSCM
Page - Fuel-5,6
PRIM_FRLY
FUEL
Fuel Pump Rly(Ubec)
Page - Fuel-1
SEC_RLY
FUEL
Sec Fuel Pump Rly
Page - Fuel-3
VENT_SOL
FUEL
Vent Solenoid
Page - Fuel-3

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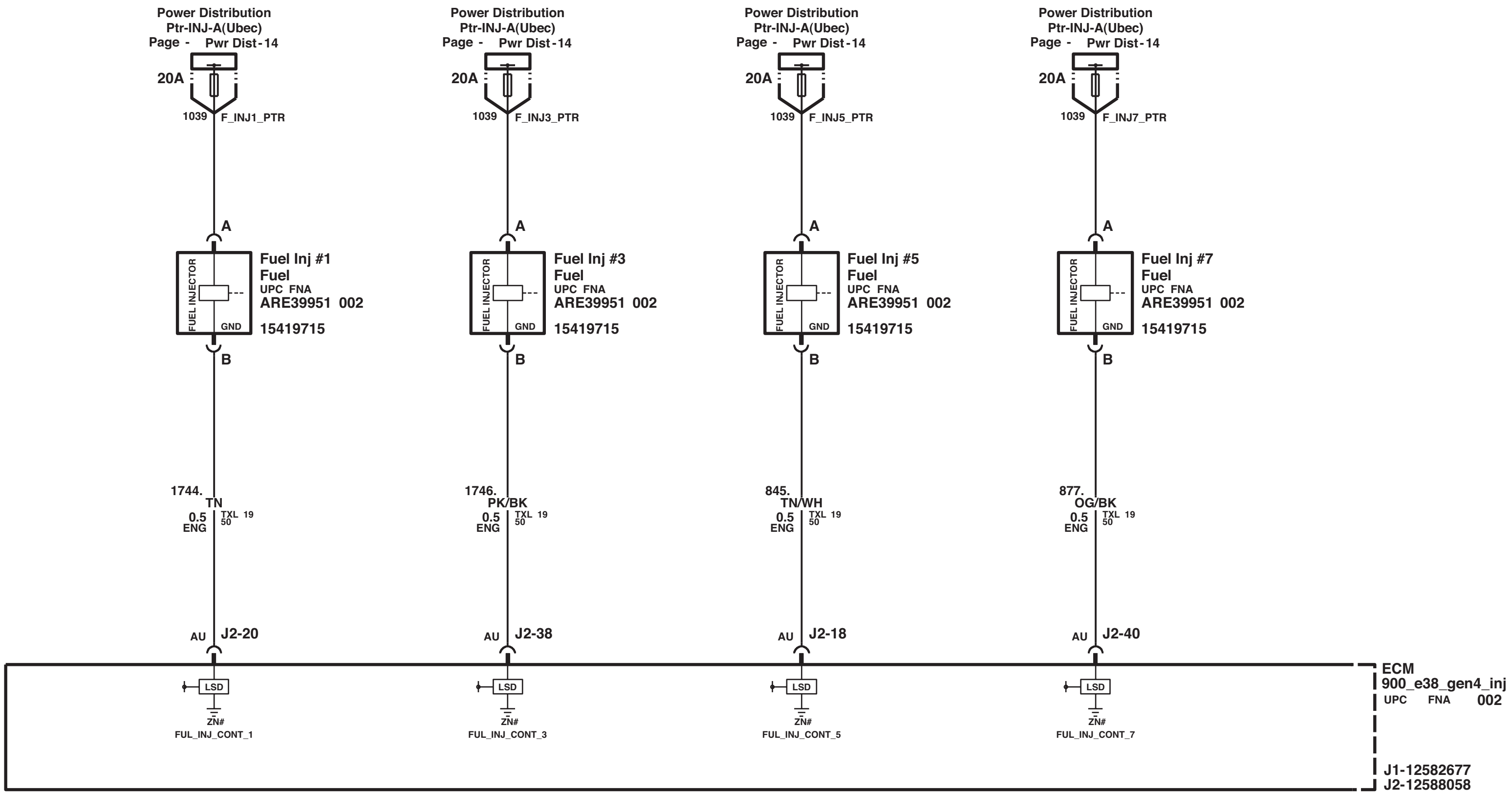
Panel Set: 8

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Ptr-INJ-A(Ubec)
Page - Pwr Dist-14
20A
1039 F_INJ1_PTR
1039 F_INJ3_PTR
1039 F_INJ5_PTR
1039 F_INJ7_PTR
A
FUEL INJECTOR
GND
Fuel Inj #1
Fuel Inj #3
Fuel Inj #5
Fuel Inj #7
Fuel
UPC FNA
ARE39951 002
15419715
B
1744. TN
1746. PK/BK
845. TN/WH
877. OG/BK
0.5 ENG
TXL 19 50
AU J2-20
AU J2-38
AU J2-18
AU J2-40
LSD
ZN#
FUL_INJ_CONT_1
FUL_INJ_CONT_3
FUL_INJ_CONT_5
FUL_INJ_CONT_7
ECM
900_e38_gen4_inj
UPC FNA 002
J1-12582677
J2-12588058

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Engine Controls: Gas - V8

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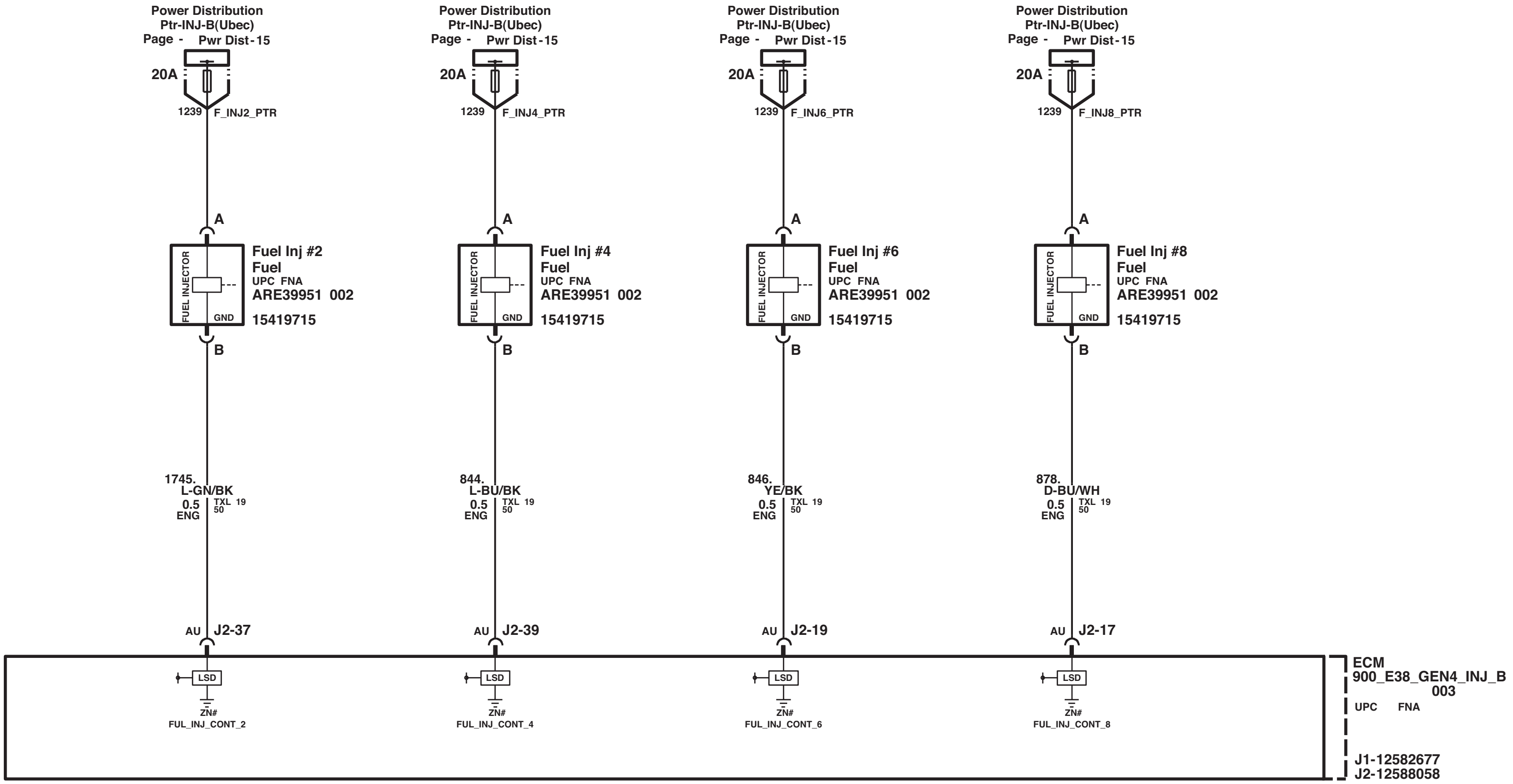
Panel Set: 9

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Ptr-INJ-B(Ubec)
Page - Pwr Dist-15
20A
1239 F_INJ2_PTR
A
FUEL INJECTOR
GND
Fuel Inj #2
Fuel
UPC FNA
ARE39951 002
15419715
B
1745.
L-GN/BK
0.5
ENG
TXL 19
50
AU J2-37
LSD
ZN#
FUL_INJ_CONT_2
Power Distribution
Ptr-INJ-B(Ubec)
Page - Pwr Dist-15
20A
1239 F_INJ4_PTR
A
FUEL INJECTOR
GND
Fuel Inj #4
Fuel
UPC FNA
ARE39951 002
15419715
B
844.
L-BU/BK
0.5
ENG
TXL 19
50
AU J2-39
LSD
ZN#
FUL_INJ_CONT_4
Power Distribution
Ptr-INJ-B(Ubec)
Page - Pwr Dist-15
20A
1239 F_INJ6_PTR
A
FUEL INJECTOR
GND
Fuel Inj #6
Fuel
UPC FNA
ARE39951 002
15419715
B
846.
YE/BK
0.5
ENG
TXL 19
50
AU J2-19
LSD
ZN#
FUL_INJ_CONT_6
Power Distribution
Ptr-INJ-B(Ubec)
Page - Pwr Dist-15
20A
1239 F_INJ8_PTR
A
FUEL INJECTOR
GND
Fuel Inj #8
Fuel
UPC FNA
ARE39951 002
15419715
B
878.
D-BU/WH
0.5
ENG
TXL 19
50
AU J2-17
LSD
ZN#
FUL_INJ_CONT_8
ECM
900_E38_GEN4_INJ_B
003
UPC FNA
J1-12582677
J2-12588058

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Engine Controls: Gas - V8

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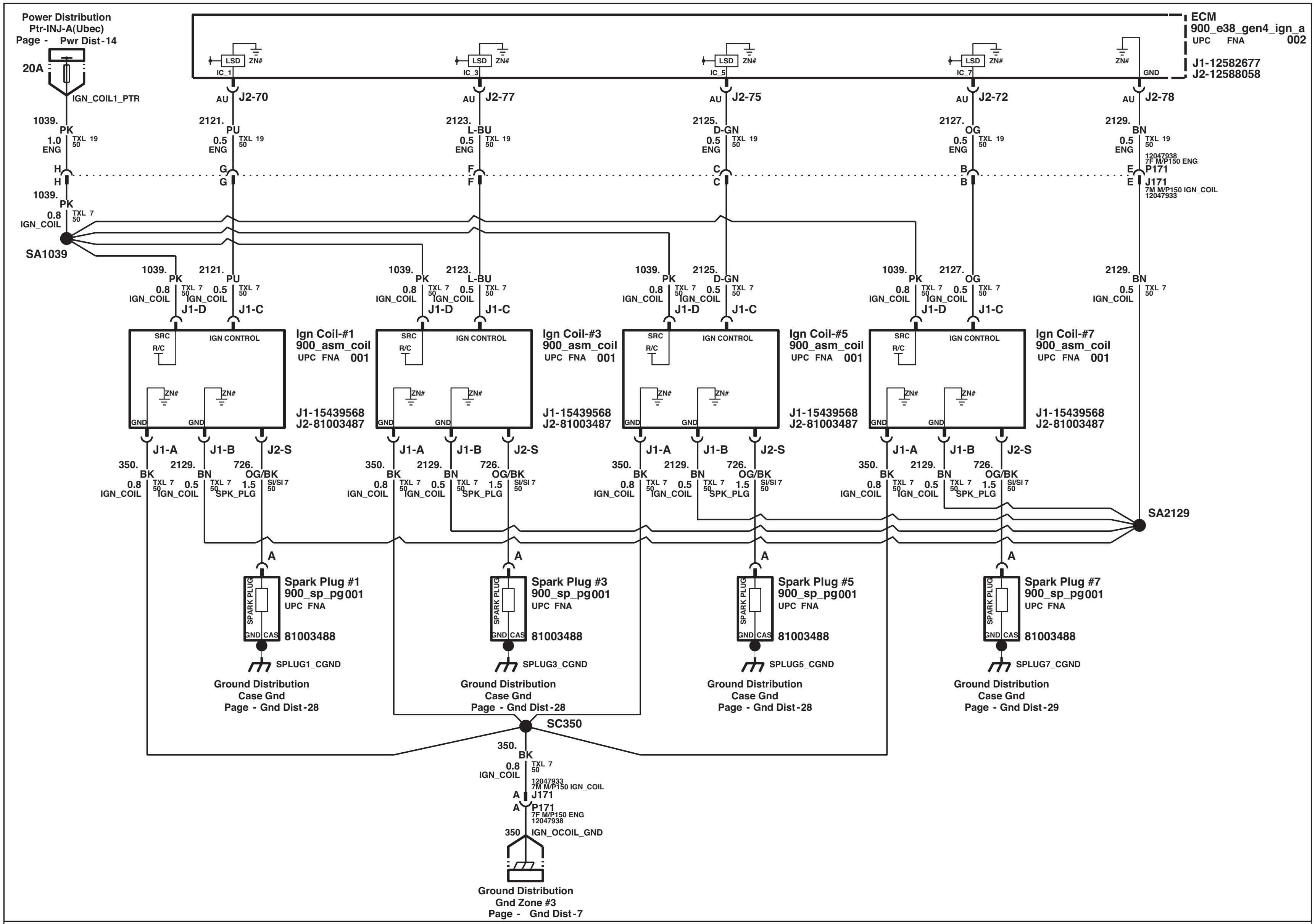
Panel Set: 10

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Ptr-INJ-A(Ubec)
Page - Pwr Dist-14
20A
IGN_COIL1_PTR
1039.
PK
1.0 ENG
TXL 19 50
H
H
1039.
PK
0.8 IGN_COIL
TXL 7 50
SA1039
ECM
900_e38_gen4_ign_a
UPC FNA 002
J1-12582677
J2-12588058
LSD
ZN#
IC_1
IC_3
IC_5
IC_7
GND
AU J2-70
AU J2-77
AU J2-75
AU J2-72
AU J2-78
2121. PU 0.5 ENG TXL 19 50
2123. L-BU 0.5 ENG TXL 19 50
2125. D-GN 0.5 ENG TXL 19 50
2127. OG 0.5 ENG TXL 19 50
2129. BN 0.5 ENG TXL 19 50
G G
F F
C C
B B
E E
12047938
7F M/P150 ENG
P171
J171
7M M/P150 IGN_COIL
12047933
1039. PK 0.8 IGN_COIL TXL 7 50
2121. PU 0.5 IGN_COIL TXL 7 50
2123. L-BU 0.5 IGN_COIL TXL 7 50
2125. D-GN 0.5 IGN_COIL TXL 7 50
2127. OG 0.5 IGN_COIL TXL 7 50
2129. BN 0.5 IGN_COIL TXL 7 50
J1-D
J1-C
SRC
R/C
IGN CONTROL
GND
Ign Coil-#1
Ign Coil-#3
Ign Coil-#5
Ign Coil-#7
900_asm_coil
UPC FNA 001
J1-15439568
J2-81003487
J1-A
J1-B
J2-S
350. BK 0.8 IGN_COIL TXL 7 50
2129. BN 0.5 IGN_COIL TXL 7 50
726. OG/BK 1.5 SPK_PLG SI/SI 7 50
SA2129
A
Spark Plug #1
Spark Plug #3
Spark Plug #5
Spark Plug #7
900_sp_pg 001
UPC FNA
SPARK PLUG
GND CAS
81003488
SPLUG1_CGND
SPLUG3_CGND
SPLUG5_CGND
SPLUG7_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-28
Page - Gnd Dist-29
SC350
350. BK 0.8 IGN_COIL TXL 7 50
12047933
7M M/P150 IGN_COIL
A J171
A P171
7F M/P150 ENG
12047938
350 IGN_OCOIL_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist-7

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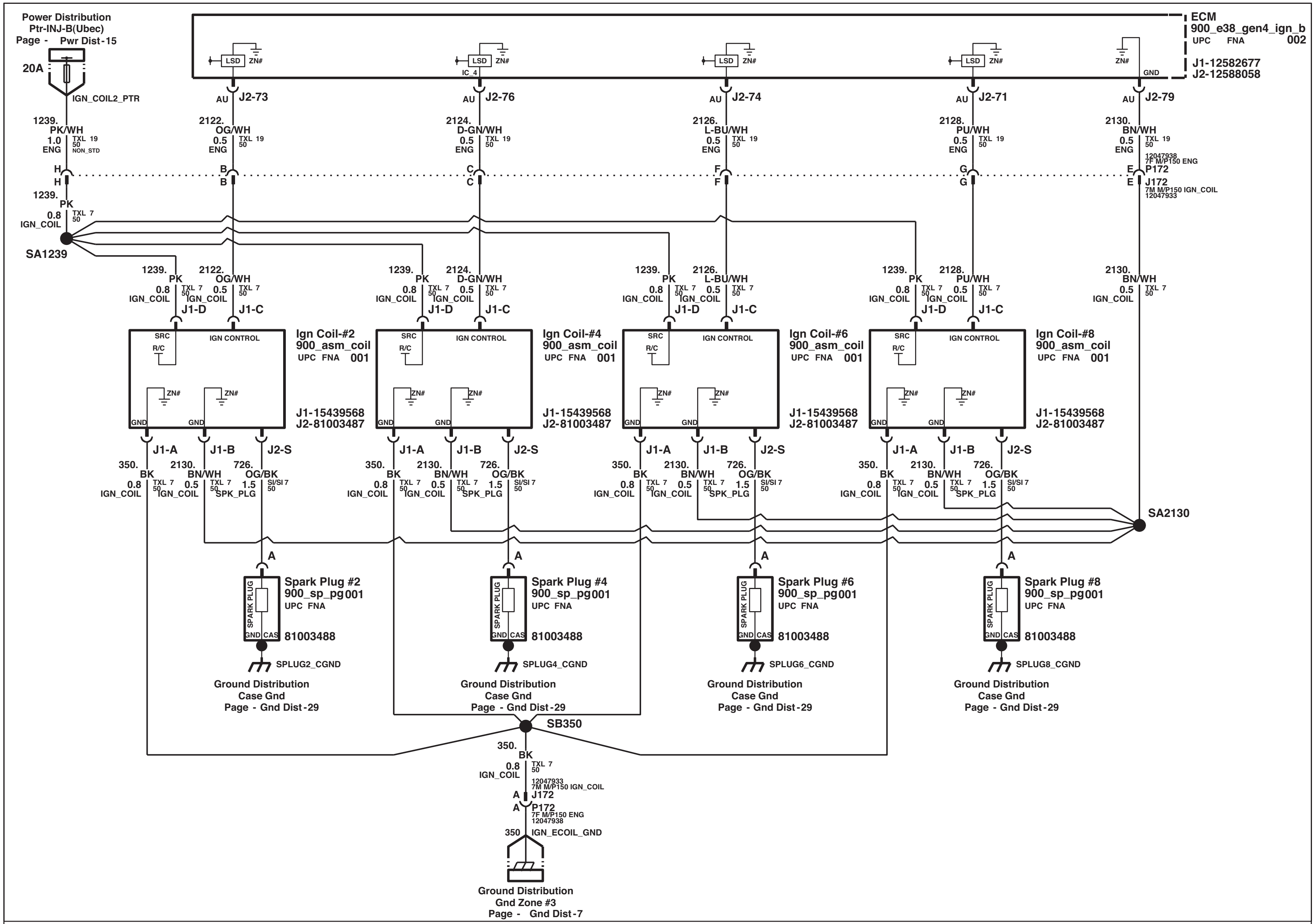
Panel Set: 11

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Power Distribution
Ptr-INJ-B(Ubec)
Page - Pwr Dist-15
20A
IGN_COIL2_PTR
1239. PK/WH 1.0 TXL 19 50 ENG NON_STD
H
1239. PK 0.8 TXL 7 50 IGN_COIL
SA1239
ECM
900_e38_gen4_ign_b
UPC FNA 002
J1-12582677
J2-12588058
LSD ZN#
IC_4
GND
AU J2-73
AU J2-76
AU J2-74
AU J2-71
AU J2-79
2122. OG/WH 0.5 TXL 19 50 ENG
2124. D-GN/WH 0.5 TXL 19 50 ENG
2126. L-BU/WH 0.5 TXL 19 50 ENG
2128. PU/WH 0.5 TXL 19 50 ENG
2130. BN/WH 0.5 TXL 19 50 ENG
B C F G E
12047938 7F M/P150 ENG P172
J172 7M M/P150 IGN_COIL 12047933
1239. PK 0.8 TXL 7 50 IGN_COIL
2122. OG/WH 0.5 TXL 7 50 IGN_COIL
2124. D-GN/WH 0.5 TXL 7 50 IGN_COIL
2126. L-BU/WH 0.5 TXL 7 50 IGN_COIL
2128. PU/WH 0.5 TXL 7 50 IGN_COIL
2130. BN/WH 0.5 TXL 7 50 IGN_COIL
J1-D J1-C
SRC IGN CONTROL R/C ZN# GND
Ign Coil-#2 900_asm_coil UPC FNA 001
Ign Coil-#4 900_asm_coil UPC FNA 001
Ign Coil-#6 900_asm_coil UPC FNA 001
Ign Coil-#8 900_asm_coil UPC FNA 001
J1-15439568
J2-81003487
J1-A J1-B J2-S
350. BK 0.8 TXL 7 50 IGN_COIL
2130. BN/WH 0.5 TXL 7 50 IGN_COIL
726. OG/BK 1.5 SI/SI 7 50 SPK_PLG
SA2130
A
SPARK PLUG GND CAS
Spark Plug #2 900_sp_pg 001 UPC FNA 81003488
Spark Plug #4 900_sp_pg 001 UPC FNA 81003488
Spark Plug #6 900_sp_pg 001 UPC FNA 81003488
Spark Plug #8 900_sp_pg 001 UPC FNA 81003488
SPLUG2_CGND
SPLUG4_CGND
SPLUG6_CGND
SPLUG8_CGND
Ground Distribution Case Gnd Page - Gnd Dist-29
SB350
350. BK 0.8 TXL 7 50 IGN_COIL
12047933 7M M/P150 IGN_COIL
A J172
A P172 7F M/P150 ENG 12047938
350 IGN_ECOIL_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist-7

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Engine Controls: Gas - V8

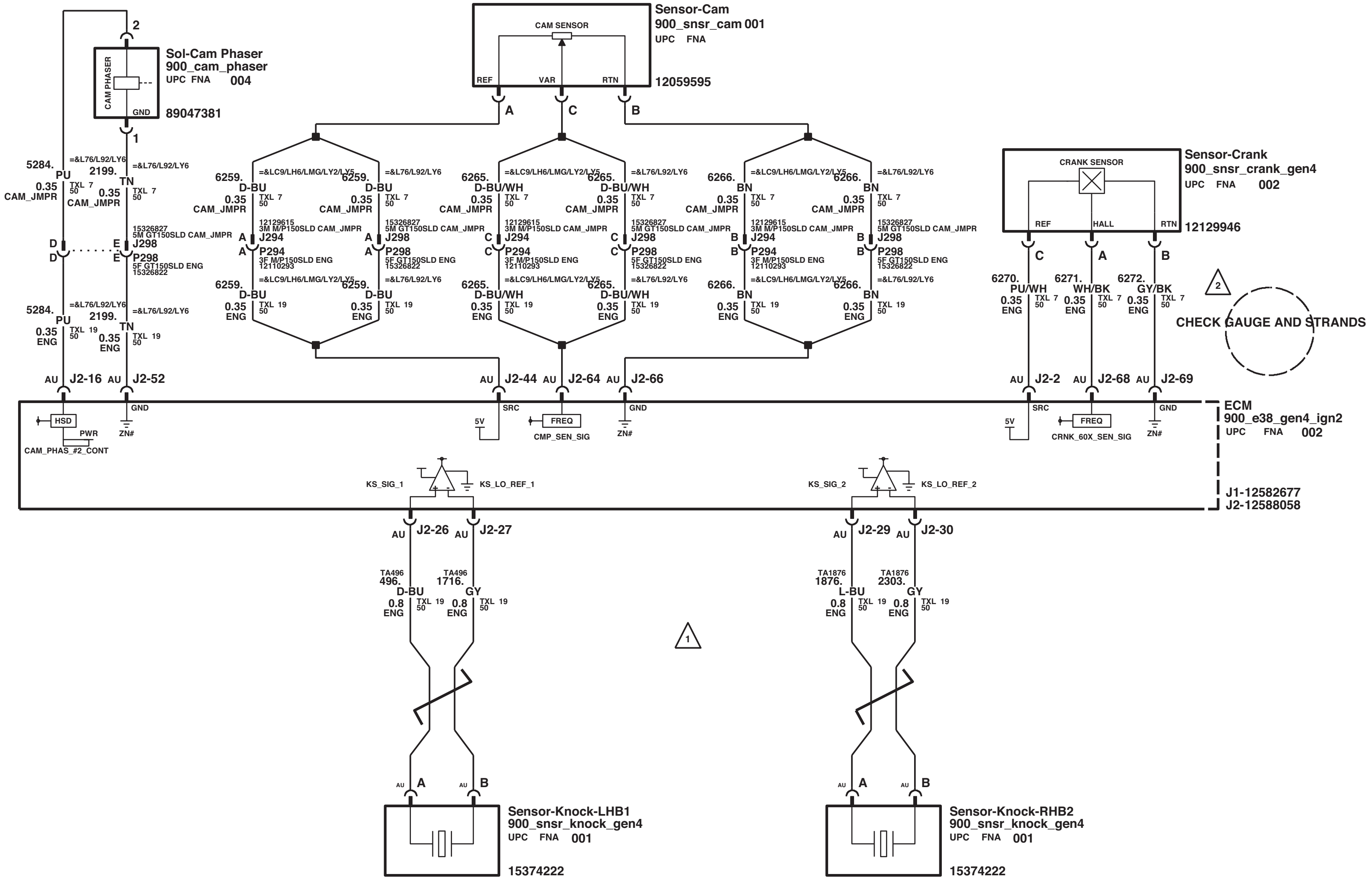
1_08_eng_ctrl_v8 Panel 12 of 18

Panel Set: 12

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


Sol-Cam Phaser
900_cam_phaser
UPC FNA 004
CAM PHASER
GND
89047381
Sensor-Cam
900_snsr_cam 001
UPC FNA
CAM SENSOR
REF VAR RTN
12059595
A C B
5284. PU 0.35 TXL 7 50 CAM_JMPR
2199. TN 0.35 TXL 7 50 CAM_JMPR
=&L76/L92/LY6
15326827 5M GT150SLD CAM_JMPR J298
P298 5F GT150SLD ENG 15326822
6259. D-BU 0.35 TXL 7 50 CAM_JMPR
6265. D-BU/WH 0.35 TXL 7 50 CAM_JMPR
6266. BN 0.35 TXL 7 50 CAM_JMPR
=&LC9/LH6/LMG/LY2/LY5
12129615 3M M/P150SLD CAM_JMPR J294
P294 3F M/P150SLD ENG 12110293
0.35 TXL 19 50 ENG
Sensor-Crank
900_snsr_crank_gen4
UPC FNA 002
CRANK SENSOR
REF HALL RTN
12129946
6270. PU/WH 0.35 TXL 7 50 ENG
6271. WH/BK 0.35 TXL 7 50 ENG
6272. GY/BK 0.35 TXL 7 50 ENG
2
CHECK GAUGE AND STRANDS
AU J2-16 AU J2-52 AU J2-44 AU J2-64 AU J2-66 AU J2-2 AU J2-68 AU J2-69
HSD PWR CAM_PHAS_#2_CONT GND ZN#
5V SRC FREQ CMP_SEN_SIG GND ZN#
5V SRC FREQ CRNK_60X_SEN_SIG GND ZN#
ECM
900_e38_gen4_ign2
UPC FNA 002
J1-12582677
J2-12588058
KS_SIG_1 KS_LO_REF_1 KS_SIG_2 KS_LO_REF_2
AU J2-26 AU J2-27 AU J2-29 AU J2-30
TA496 496. D-BU 0.8 TXL 19 50 ENG
TA496 1716. GY 0.8 TXL 19 50 ENG
TA1876 1876. L-BU 0.8 TXL 19 50 ENG
TA1876 2303. GY 0.8 TXL 19 50 ENG
1
AU A AU B
Sensor-Knock-LHB1
900_snsr_knock_gen4
UPC FNA 001
15374222
Sensor-Knock-RHB2
900_snsr_knock_gen4
UPC FNA 001
15374222

NOTE: ALL KNOCK SENSOR TERMINALS ARE GOLD PLATED

NOTES

- 1 – KNOCK SENSOR WIRES UPSIZED FOR DURABILITY
- 2 – CRANK SENSOR WIRES ARE 150 DEGREE TXL

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Engine Controls: Gas - V8

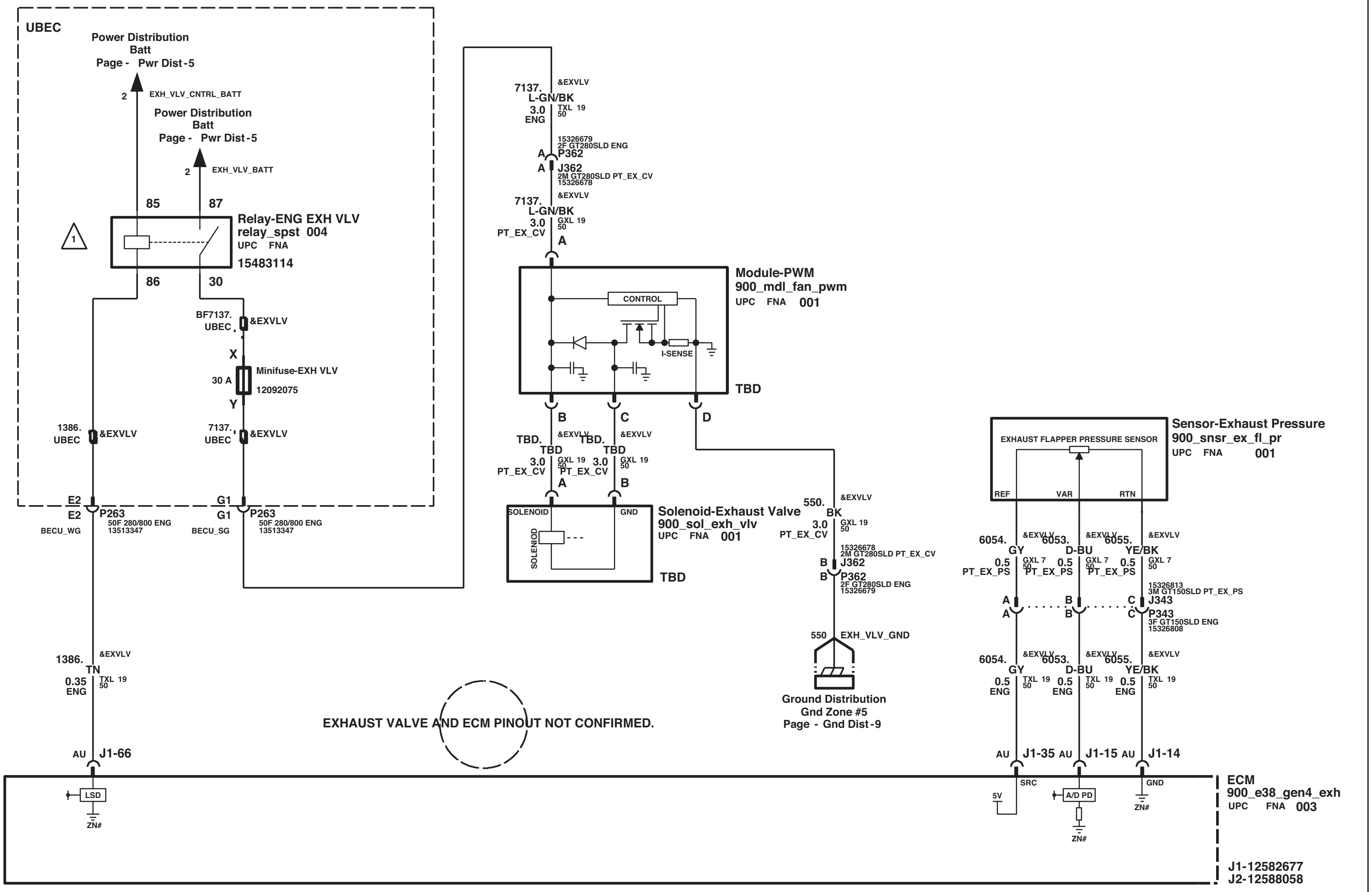
1_08_eng_ctrl_v8 Panel 13 of 18

Panel Set: 13

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


UBEC
Power Distribution
Batt
Page - Pwr Dist - 5
2
EXH_VLV_CNTRL_BATT
Power Distribution
Batt
Page - Pwr Dist - 5
2
EXH_VLV_BATT
85
87
1
Relay-ENG EXH VLV
relay_spst 004
UPC FNA
15483114
86
30
BF7137.
UBEC
&EXVLV
X
Minifuse-EXH VLV
30 A
12092075
Y
1386.
UBEC
&EXVLV
7137.
UBEC
&EXVLV
E2
E2
P263
50F 280/800 ENG
13513347
BECU_WG
G1
G1
P263
50F 280/800 ENG
13513347
BECU_SG
1386.
&EXVLV
TN
0.35
ENG
TXL 19
50
AU
J1-66
LSD
ZN#
7137.
&EXVLV
L-GN/BK
3.0
ENG
TXL 19
50
15326679
2F GT280SLD ENG
A
P362
A
J362
2M GT280SLD PT_EX_CV
15326678
&EXVLV
7137.
L-GN/BK
3.0
PT_EX_CV
GXL 19
50
A
Module-PWM
900_mdl_fan_pwm
UPC FNA 001
CONTROL
I-SENSE
TBD
B
C
D
TBD.
&EXVLV
TBD
3.0
PT_EX_CV
GXL 19
50
A
TBD.
&EXVLV
TBD
3.0
PT_EX_CV
GXL 19
50
B
SOLENOID
GND
SOLENOID
Solenoid-Exhaust Valve
900_sol_exh_vlv
UPC FNA 001
TBD
550.
&EXVLV
BK
3.0
PT_EX_CV
GXL 19
50
15326678
2M GT280SLD PT_EX_CV
B
J362
B
P362
2F GT280SLD ENG
15326679
550
EXH_VLV_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9
EXHAUST VALVE AND ECM PINOUT NOT CONFIRMED.
EXHAUST FLAPPER PRESSURE SENSOR
REF
VAR
RTN
Sensor-Exhaust Pressure
900_snsr_ex_fl_pr
UPC FNA 001
6054.
&EXVLV
GY
0.5
PT_EX_PS
GXL 7
50
6053.
&EXVLV
D-BU
0.5
PT_EX_PS
GXL 7
50
6055.
&EXVLV
YE/BK
0.5
PT_EX_PS
GXL 7
50
15326813
3M GT150SLD PT_EX_PS
A
B
C
J343
A
B
C
P343
3F GT150SLD ENG
15326808
6054.
&EXVLV
GY
0.5
ENG
TXL 19
50
6053.
&EXVLV
D-BU
0.5
ENG
TXL 19
50
6055.
&EXVLV
YE/BK
0.5
ENG
TXL 19
50
AU
J1-35
AU
J1-15
AU
J1-14
SRC
5V
A/D PD
ZN#
GND
ZN#
ECM
900_e38_gen4_exh
UPC FNA 003
J1-12582677
J2-12588058

NOTES

- 1 – VAP INSTALLED- RELAY
- 2 – PU MODEL 10543 SIERRA DENALI, L92, IS NON VALVED

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Engine Controls: Gas - V8

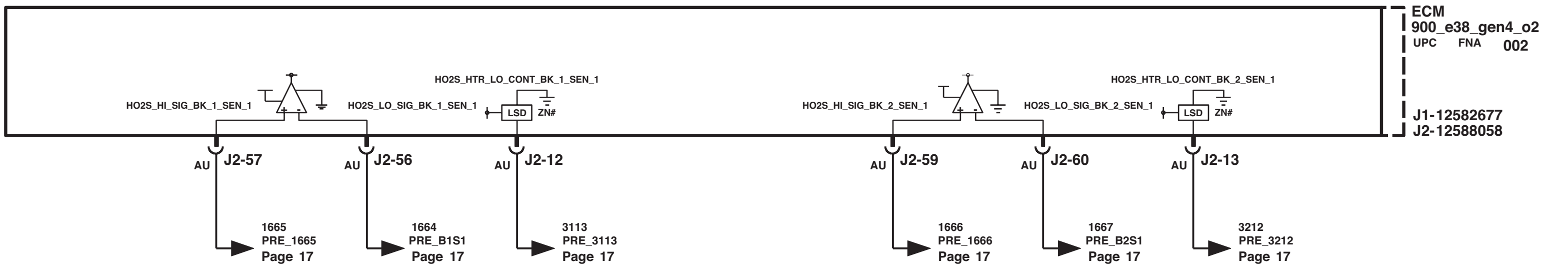
1_08_eng_ctrl_v8 Panel 14 of 18

Panel Set: 14

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


ECM
900_e38_gen4_o2
UPC FNA 002
J1-12582677
J2-12588058
HO2S_HI_SIG_BK_1_SEN_1
HO2S_LO_SIG_BK_1_SEN_1
HO2S_HTR_LO_CONT_BK_1_SEN_1
LSD
ZN#
HO2S_HI_SIG_BK_2_SEN_1
HO2S_LO_SIG_BK_2_SEN_1
HO2S_HTR_LO_CONT_BK_2_SEN_1
LSD
ZN#
AU J2-57
AU J2-56
AU J2-12
AU J2-59
AU J2-60
AU J2-13
1665 PRE_1665 Page 17
1664 PRE_B1S1 Page 17
3113 PRE_3113 Page 17
1666 PRE_1666 Page 17
1667 PRE_B2S1 Page 17
3212 PRE_3212 Page 17

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IEC/ESI

Engine Controls: Gas - V8

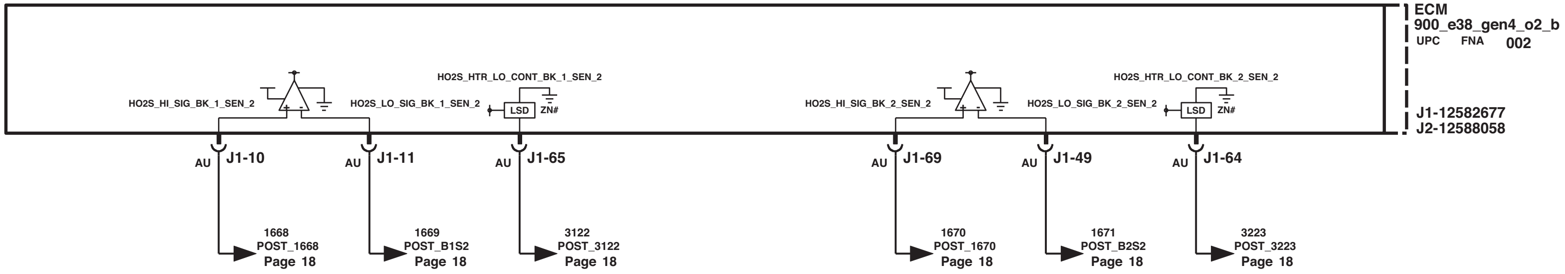
1_08_eng_ctrl_v8 Panel 15 of 18

Panel Set: 15

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


ECM
900_e38_gen4_o2_b
UPC FNA 002
J1-12582677
J2-12588058
HO2S_HI_SIG_BK_1_SEN_2
HO2S_LO_SIG_BK_1_SEN_2
HO2S_HTR_LO_CONT_BK_1_SEN_2
LSD
ZN#
HO2S_HI_SIG_BK_2_SEN_2
HO2S_LO_SIG_BK_2_SEN_2
HO2S_HTR_LO_CONT_BK_2_SEN_2
LSD
ZN#
AU J1-10
AU J1-11
AU J1-65
AU J1-69
AU J1-49
AU J1-64
1668 POST_1668 Page 18
1669 POST_B1S2 Page 18
3122 POST_3122 Page 18
1670 POST_1670 Page 18
1671 POST_B2S2 Page 18
3223 POST_3223 Page 18

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IEC/ESI

Engine Controls: Gas - V8

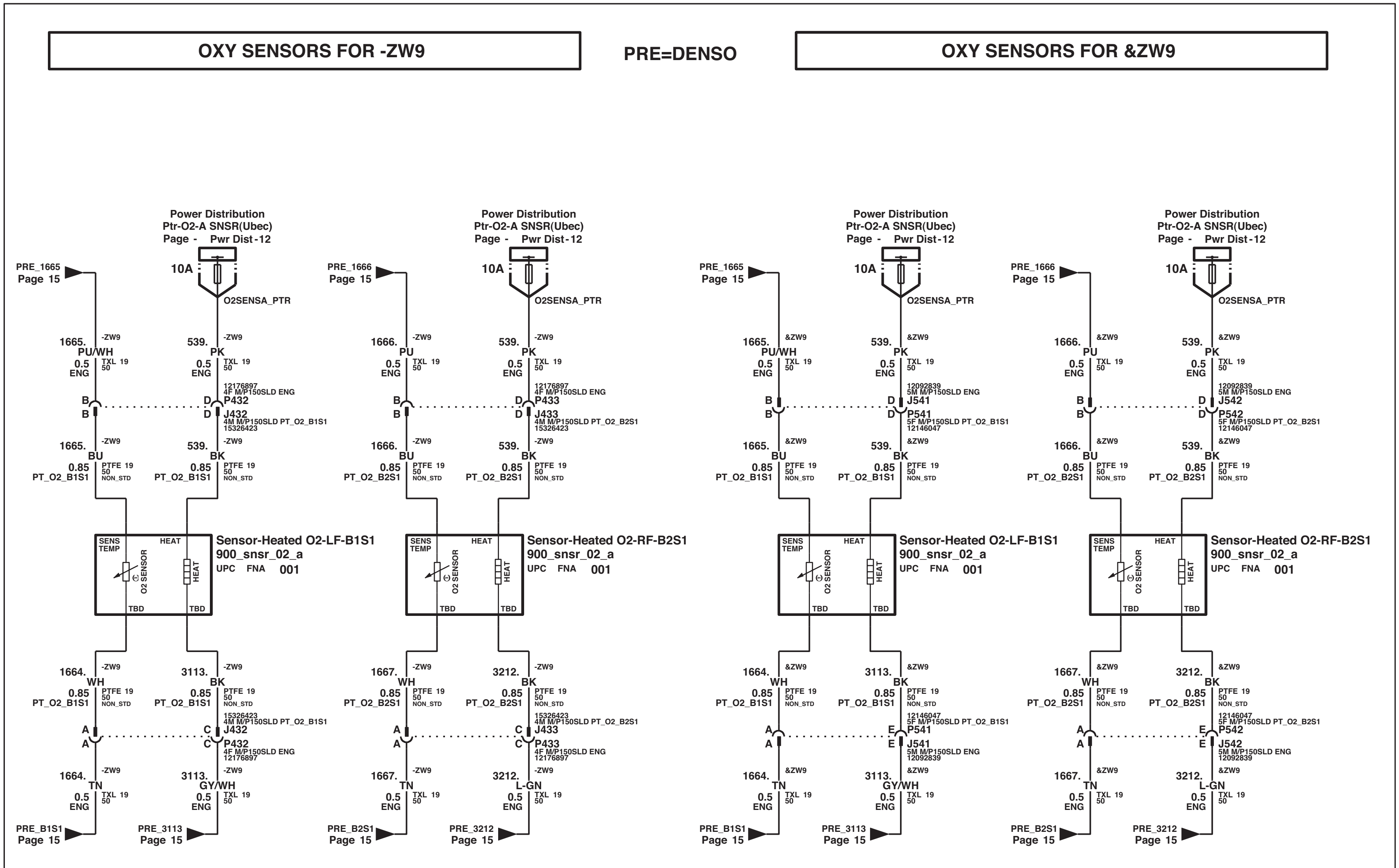
1_08_eng_ctrl_v8 Panel 16 of 18

Panel Set: 16

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – V8


OXY SENSORS FOR -ZW9
PRE=DENSO
OXY SENSORS FOR &ZW9
Power Distribution
Ptr-O2-A SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSA_PTR
PRE_1665 Page 15
PRE_1666 Page 15
1665. PU/WH 0.5 ENG TXL 19 50
539. PK 0.5 ENG TXL 19 50
1666. PU 0.5 ENG TXL 19 50
12176897 4F M/P150SLD ENG
P432
J432 4M M/P150SLD PT_O2_B1S1 15326423
P433
J433 4M M/P150SLD PT_O2_B2S1 15326423
12092839 5M M/P150SLD ENG
J541
P541 5F M/P150SLD PT_O2_B1S1 12146047
J542
P542 5F M/P150SLD PT_O2_B2S1 12146047
1665. BU 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
539. BK 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
1666. BU 0.85 PT_O2_B2S1
539. BK 0.85 PT_O2_B2S1
SENS TEMP
HEAT
O2 SENSOR
TBD
Sensor-Heated O2-LF-B1S1
Sensor-Heated O2-RF-B2S1
900_snsr_02_a
UPC FNA 001
1664. WH 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
3113. BK 0.85 PT_O2_B1S1 PTFE 19 50 NON_STD
1667. WH 0.85 PT_O2_B2S1
3212. BK 0.85 PT_O2_B2S1
15326423 4M M/P150SLD PT_O2_B1S1
P432 4F M/P150SLD ENG 12176897
15326423 4M M/P150SLD PT_O2_B2S1
P433 4F M/P150SLD ENG 12176897
12146047 5F M/P150SLD PT_O2_B1S1
J541 5M M/P150SLD ENG 12092839
12146047 5F M/P150SLD PT_O2_B2S1
J542 5M M/P150SLD ENG 12092839
1664. TN 0.5 ENG TXL 19 50
3113. GY/WH 0.5 ENG TXL 19 50
1667. TN 0.5 ENG TXL 19 50
3212. L-GN 0.5 ENG TXL 19 50
-ZW9
&ZW9
A B C D E
PRE_B1S1 Page 15
PRE_3113 Page 15
PRE_B2S1 Page 15
PRE_3212 Page 15

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Engine Controls: Gas - V8

1_08_eng_ctrl_v8 Panel 17 of 18

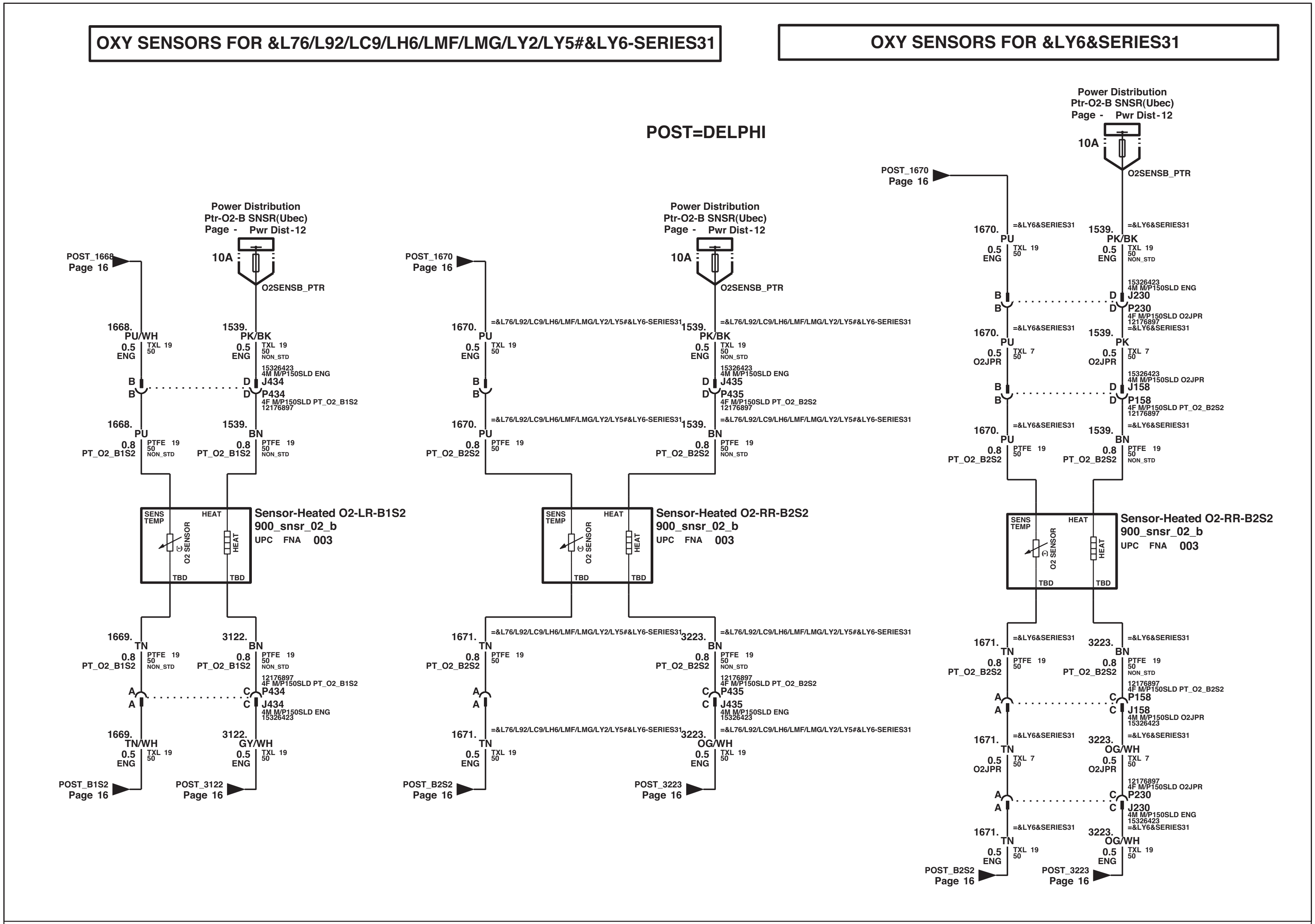
Panel Set: 17

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – V8


OXY SENSORS FOR &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5#&LY6-SERIES31
OXY SENSORS FOR &LY6&SERIES31
POST=DELPHI
Power Distribution
Ptr-O2-B SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSB_PTR
POST_1668
Page 16
POST_1670
Page 16
1668. PU/WH 0.5 ENG TXL 19 50
1539. PK/BK 0.5 ENG TXL 19 50 NON_STD
15326423 4M M/P150SLD ENG J434
4F M/P150SLD PT_O2_B1S2 12176897 P434
1668. PU 0.8 PT_O2_B1S2 PTFE 19 50 NON_STD
1539. BN 0.8 PT_O2_B1S2 PTFE 19 50 NON_STD
Sensor-Heated O2-LR-B1S2
900_snsr_02_b
UPC FNA 003
SENS TEMP
HEAT
O2 SENSOR
TBD
1669. TN 0.8 PT_O2_B1S2 PTFE 19 50 NON_STD
3122. BN 0.8 PT_O2_B1S2 PTFE 19 50 NON_STD
12176897 4F M/P150SLD PT_O2_B1S2 P434
J434 4M M/P150SLD ENG 15326423
1669. TN/WH 0.5 ENG TXL 19 50
3122. GY/WH 0.5 ENG TXL 19 50
POST_B1S2 Page 16
POST_3122 Page 16
=&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5#&LY6-SERIES31
1670. PU 0.5 ENG TXL 19 50
1539. PK/BK 0.5 ENG TXL 19 50 NON_STD
15326423 4M M/P150SLD ENG J435
P435 4F M/P150SLD PT_O2_B2S2 12176897
1670. PU 0.8 PT_O2_B2S2 PTFE 19 50
1539. BN 0.8 PT_O2_B2S2 PTFE 19 50 NON_STD
Sensor-Heated O2-RR-B2S2
900_snsr_02_b
UPC FNA 003
1671. TN 0.8 PT_O2_B2S2 PTFE 19 50
3223. BN 0.8 PT_O2_B2S2 PTFE 19 50 NON_STD
12176897 4F M/P150SLD PT_O2_B2S2 P435
J435 4M M/P150SLD ENG 15326423
1671. TN 0.5 ENG TXL 19 50
3223. OG/WH 0.5 ENG TXL 19 50
POST_B2S2 Page 16
POST_3223 Page 16
=&LY6&SERIES31
1670. PU 0.5 ENG TXL 19 50
1539. PK/BK 0.5 ENG TXL 19 50 NON_STD
15326423 4M M/P150SLD ENG J230
P230 4F M/P150SLD O2JPR 12176897
1670. PU 0.5 O2JPR TXL 7 50
1539. PK 0.5 O2JPR TXL 7 50
15326423 4M M/P150SLD O2JPR J158
P158 4F M/P150SLD PT_O2_B2S2 12176897
1670. PU 0.8 PT_O2_B2S2 PTFE 19 50
1539. BN 0.8 PT_O2_B2S2 PTFE 19 50 NON_STD
Sensor-Heated O2-RR-B2S2
900_snsr_02_b
UPC FNA 003
1671. TN 0.8 PT_O2_B2S2 PTFE 19 50
3223. BN 0.8 PT_O2_B2S2 PTFE 19 50 NON_STD
12176897 4F M/P150SLD PT_O2_B2S2 P158
J158 4M M/P150SLD O2JPR 15326423
1671. TN 0.5 O2JPR TXL 7 50
3223. OG/WH 0.5 O2JPR TXL 7 50
12176897 4F M/P150SLD O2JPR P230
J230 4M M/P150SLD ENG 15326423
1671. TN 0.5 ENG TXL 19 50
3223. OG/WH 0.5 ENG TXL 19 50
POST_B2S2 Page 16
POST_3223 Page 16
A B C D

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GM Proprietary

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IEC/ESI

Engine Controls: Gas - V8

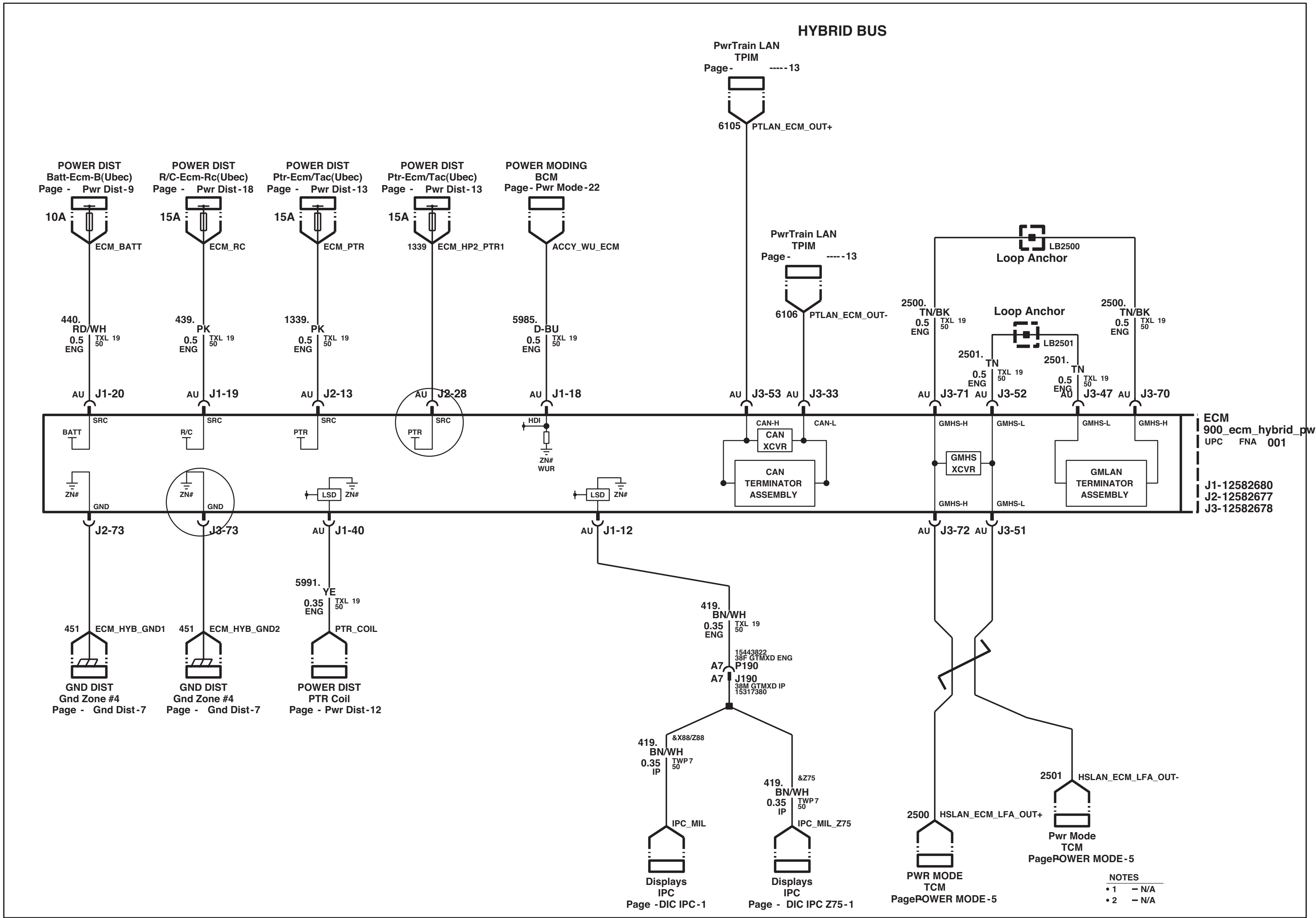
1_08_eng_ctrl_v8 Panel 18 of 18

&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – Hybrid


HYBRID BUS
PwrTrain LAN
TPIM
Page - -----13
6105 PTLAN_ECM_OUT+
POWER DIST
Batt-Ecm-B(Ubec)
Page - Pwr Dist-9
10A
ECM_BATT
POWER DIST
R/C-Ecm-Rc(Ubec)
Page - Pwr Dist-18
15A
ECM_RC
POWER DIST
Ptr-Ecm/Tac(Ubec)
Page - Pwr Dist-13
15A
ECM_PTR
POWER DIST
Ptr-Ecm/Tac(Ubec)
Page - Pwr Dist-13
15A
1339 ECM_HP2_PTR1
POWER MODING
BCM
Page- Pwr Mode-22
ACCY_WU_ECM
PwrTrain LAN
TPIM
Page - -----13
6106 PTLAN_ECM_OUT-
LB2500
Loop Anchor
Loop Anchor
LB2501
440. RD/WH 0.5 ENG TXL 19 50
439. PK 0.5 ENG TXL 19 50
1339. PK 0.5 ENG TXL 19 50
5985. D-BU 0.5 ENG TXL 19 50
2500. TN/BK 0.5 ENG TXL 19 50
2501. TN 0.5 ENG TXL 19 50
2501. TN 0.5 ENG TXL 19 50
2500. TN/BK 0.5 ENG TXL 19 50
AU J1-20
AU J1-19
AU J2-13
AU J2-28
AU J1-18
AU J3-53
AU J3-33
AU J3-71
AU J3-52
AU J3-47
AU J3-70
SRC
BATT
SRC
R/C
SRC
PTR
SRC
PTR
HDI
ZN#
WUR
CAN-H
CAN-L
CAN XCVR
CAN TERMINATOR ASSEMBLY
GMHS-H
GMHS-L
GMHS XCVR
GMHS-L
GMHS-H
GMLAN TERMINATOR ASSEMBLY
GMHS-H
GMHS-L
ZN#
GND
ZN#
GND
LSD
ZN#
LSD
ZN#
ECM
900_ecm_hybrid_pwr
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
J2-73
J3-73
AU J1-40
AU J1-12
AU J3-72
AU J3-51
5991. YE 0.35 ENG TXL 19 50
451 ECM_HYB_GND1
451 ECM_HYB_GND2
PTR_COIL
GND DIST
Gnd Zone #4
Page - Gnd Dist-7
GND DIST
Gnd Zone #4
Page - Gnd Dist-7
POWER DIST
PTR Coil
Page - Pwr Dist-12
419. BN/WH 0.35 ENG TXL 19 50
15443822
38F GTMXD ENG
A7 P190
A7 J190
38M GTMXD IP
15317380
419. BN/WH 0.35 IP TWP 7 50 &X88/Z88
419. BN/WH 0.35 IP TWP 7 50 &Z75
IPC_MIL
IPC_MIL_Z75
Displays
IPC
Page - DIC IPC-1
Displays
IPC
Page - DIC IPC Z75-1
2501 HSLAN_ECM_LFA_OUT-
2500 HSLAN_ECM_LFA_OUT+
Pwr Mode
TCM
Page POWER MODE-5
PWR MODE
TCM
Page POWER MODE-5
NOTES
• 1 – N/A
• 2 – N/A

ARE16374
003
GMT900
GM Proprietary

Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

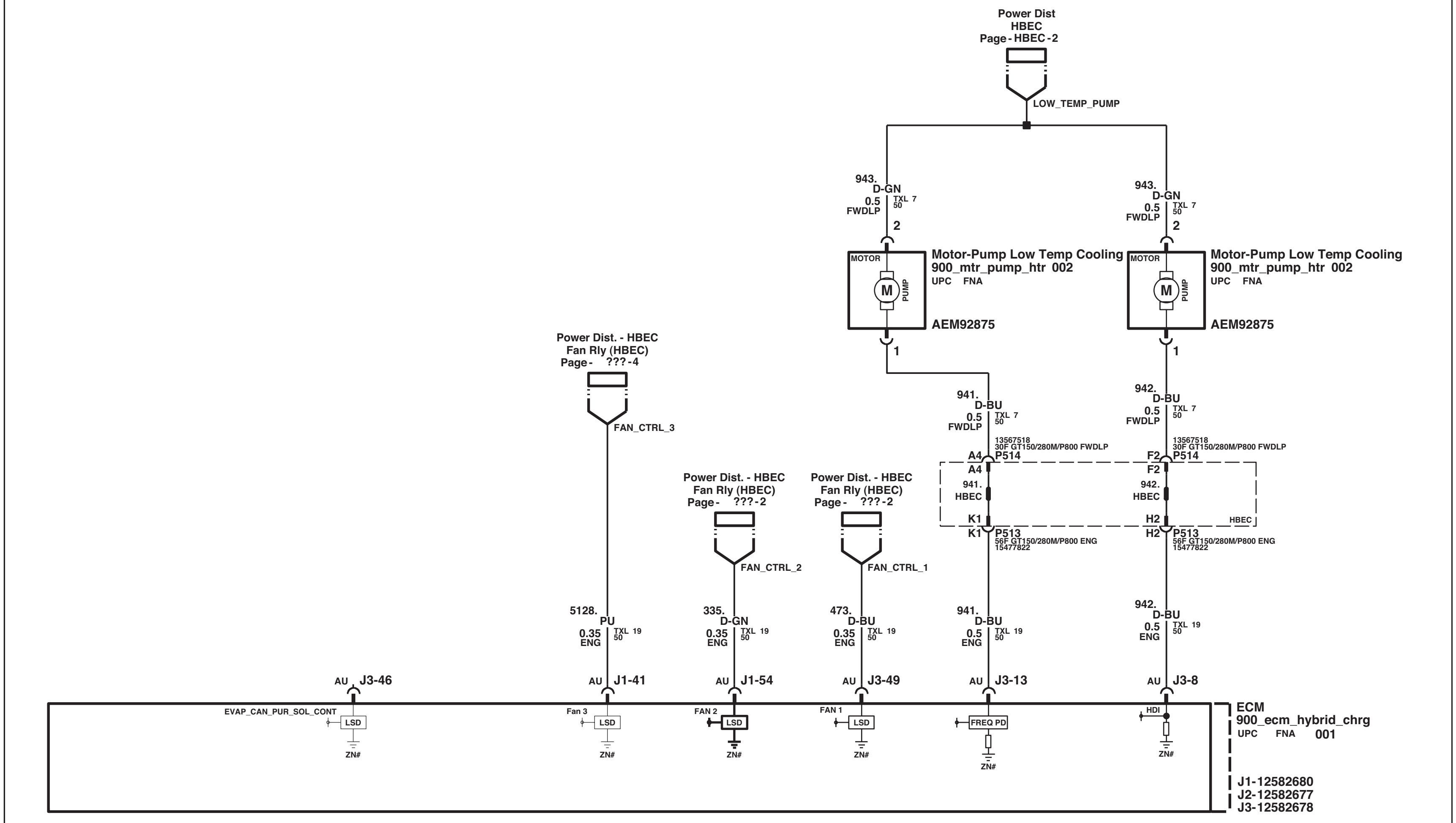
Engine Controls: Gas Engine Hybrid

EC01 Panel 1 of 17

Panel Set: 1 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Power Dist
HBEC
Page - HBEC - 2
LOW_TEMP_PUMP
943.
D-GN
0.5
FWDLP
TXL 7
50
2
MOTOR
M
PUMP
Motor-Pump Low Temp Cooling
900_mtr_pump_htr 002
UPC FNA
AEM92875
1
943.
D-GN
0.5
FWDLP
TXL 7
50
2
MOTOR
M
PUMP
Motor-Pump Low Temp Cooling
900_mtr_pump_htr 002
UPC FNA
AEM92875
1
941.
D-BU
0.5
FWDLP
TXL 7
50
13567518
30F GT150/280M/P800 FWDLP
A4 P514
A4
941.
HBEC
K1
K1 P513
56F GT150/280M/P800 ENG
15477822
942.
D-BU
0.5
FWDLP
TXL 7
50
13567518
30F GT150/280M/P800 FWDLP
F2 P514
F2
942.
HBEC
H2
HBEC
H2 P513
56F GT150/280M/P800 ENG
15477822
Power Dist. - HBEC
Fan Rly (HBEC)
Page - ??? - 4
FAN_CTRL_3
Power Dist. - HBEC
Fan Rly (HBEC)
Page - ??? - 2
FAN_CTRL_2
Power Dist. - HBEC
Fan Rly (HBEC)
Page - ??? - 2
FAN_CTRL_1
5128.
PU
0.35
ENG
TXL 19
50
335.
D-GN
0.35
ENG
TXL 19
50
473.
D-BU
0.35
ENG
TXL 19
50
941.
D-BU
0.5
ENG
TXL 19
50
942.
D-BU
0.5
ENG
TXL 19
50
AU J3-46
AU J1-41
AU J1-54
AU J3-49
AU J3-13
AU J3-8
EVAP_CAN_PUR_SOL_CONT
LSD
ZN#
Fan 3
LSD
ZN#
FAN 2
LSD
ZN#
FAN 1
LSD
ZN#
FREQ PD
ZN#
HDI
ZN#
ECM
900_ecm_hybrid_chrg
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678

ARE16374
003
GMT900
GM Proprietary

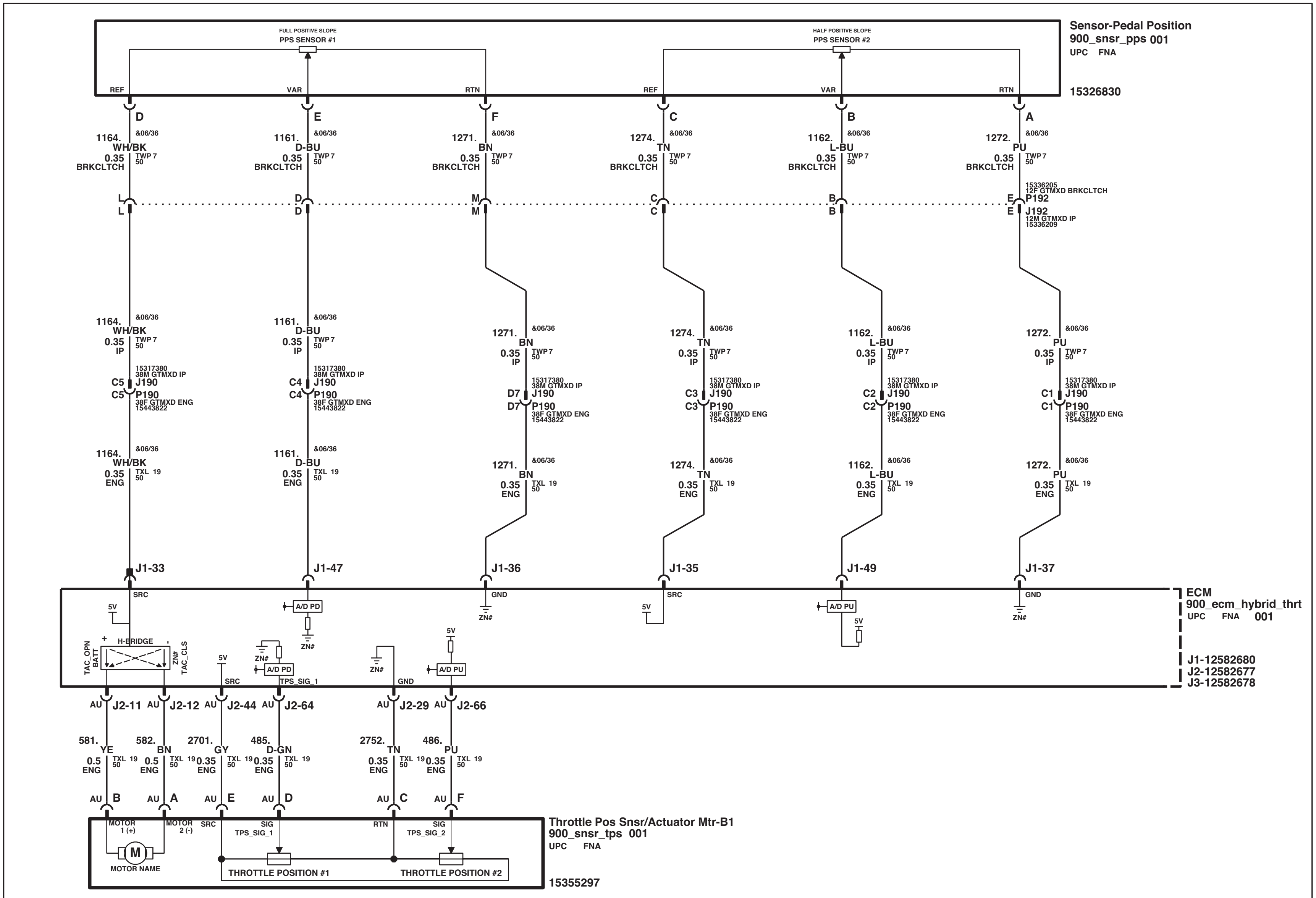
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 2 of 17 Panel Set: 2 &LFA

2008
GMT900
IVER
System Status: Object Status:

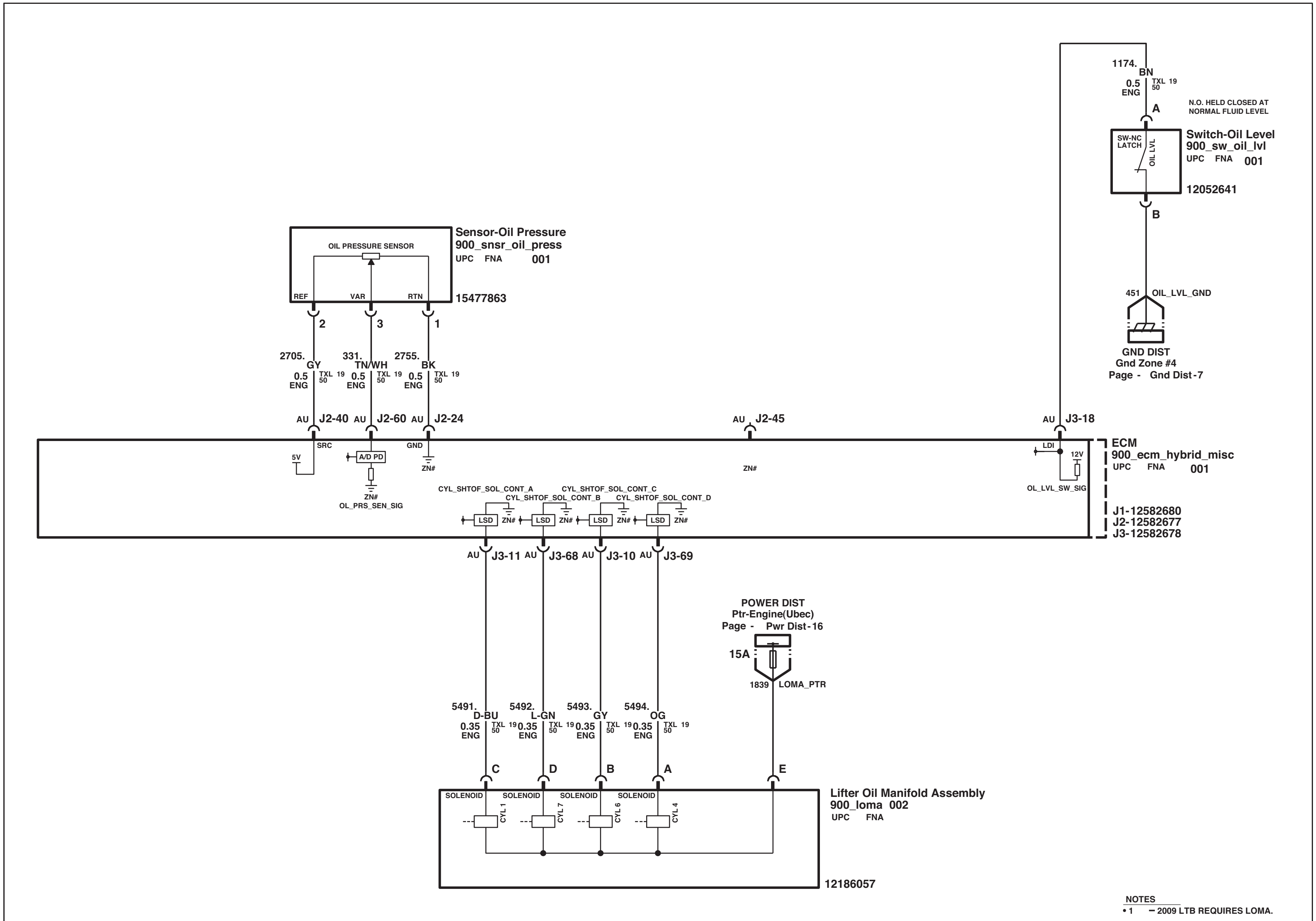
Engine Controls: Gas – Hybrid


Sensor-Pedal Position
900_snsr_pps 001
UPC FNA
15326830
FULL POSITIVE SLOPE
PPS SENSOR #1
HALF POSITIVE SLOPE
PPS SENSOR #2
REF
VAR
RTN
REF
VAR
RTN
D
E
F
C
B
A
1164. WH/BK 0.35 BRKCLTCH TWP 7 50 &06/36
1161. D-BU 0.35 BRKCLTCH TWP 7 50 &06/36
1271. BN 0.35 BRKCLTCH TWP 7 50 &06/36
1274. TN 0.35 BRKCLTCH TWP 7 50 &06/36
1162. L-BU 0.35 BRKCLTCH TWP 7 50 &06/36
1272. PU 0.35 BRKCLTCH TWP 7 50 &06/36
L L
D D
M M
C C
B B
E E
15336205 12F GTMXD BRKCLTCH
P192
J192
12M GTMXD IP 15336209
1164. WH/BK 0.35 IP TWP 7 50 &06/36
1161. D-BU 0.35 IP TWP 7 50 &06/36
1271. BN 0.35 IP TWP 7 50 &06/36
1274. TN 0.35 IP TWP 7 50 &06/36
1162. L-BU 0.35 IP TWP 7 50 &06/36
1272. PU 0.35 IP TWP 7 50 &06/36
15317380 38M GTMXD IP
J190
P190
38F GTMXD ENG 15443822
C5 C5
C4 C4
D7 D7
C3 C3
C2 C2
C1 C1
1164. WH/BK 0.35 ENG TXL 19 50 &06/36
1161. D-BU 0.35 ENG TXL 19 50 &06/36
1271. BN 0.35 ENG TXL 19 50 &06/36
1274. TN 0.35 ENG TXL 19 50 &06/36
1162. L-BU 0.35 ENG TXL 19 50 &06/36
1272. PU 0.35 ENG TXL 19 50 &06/36
J1-33
J1-47
J1-36
J1-35
J1-49
J1-37
SRC
GND
SRC
GND
5V
A/D PD
ZN#
5V
A/D PU
5V
ZN#
ECM
900_ecm_hybrid_thrt
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
H-BRIDGE
TAC_OPN BATT
ZN# TAC_CLS
+
-
5V
SRC
ZN#
A/D PD
TPS_SIG_1
ZN#
GND
5V
A/D PU
AU J2-11
AU J2-12
AU J2-44
AU J2-64
AU J2-29
AU J2-66
581. YE 0.5 ENG TXL 19 50
582. BN 0.5 ENG TXL 19 50
2701. GY 0.35 ENG TXL 19 50
485. D-GN 0.35 ENG TXL 19 50
2752. TN 0.35 ENG TXL 19 50
486. PU 0.35 ENG TXL 19 50
AU B
AU A
AU E
AU D
AU C
AU F
MOTOR 1 (+)
MOTOR 2 (-)
SRC
SIG TPS_SIG_1
RTN
SIG TPS_SIG_2
M
MOTOR NAME
THROTTLE POSITION #1
THROTTLE POSITION #2
Throttle Pos Snsr/Actuator Mtr-B1
900_snsr_tps 001
UPC FNA
15355297

NOTE: ALL TPS TERMINALS ARE GOLD PLATED

ARE16374 003 GMT900 GM Proprietary	Wednesday, November 15, 2006 8:37:12 am 6 IEC/ESI	Engine Controls: Gas Engine Hybrid EC01 Panel 3 of 17	Panel Set: 3 &LFA	2008 GMT900 IVER System Status: Object Status:

Engine Controls: Gas – Hybrid


1174.
BN
0.5
ENG
TXL 19
50
A
N.O. HELD CLOSED AT
NORMAL FLUID LEVEL
SW-NC
LATCH
OIL LVL
Switch-Oil Level
900_sw_oil_lvl
UPC FNA 001
12052641
B
451 OIL_LVL_GND
GND DIST
Gnd Zone #4
Page - Gnd Dist-7
Sensor-Oil Pressure
900_snsr_oil_press
UPC FNA 001
OIL PRESSURE SENSOR
REF
VAR
RTN
15477863
2
3
1
2705.
GY
0.5
ENG
TXL 19
50
331.
TN/WH
0.5
ENG
TXL 19
50
2755.
BK
0.5
ENG
TXL 19
50
AU J2-40
AU J2-60
AU J2-24
AU J2-45
AU J3-18
SRC
5V
A/D PD
ZN#
OL_PRS_SEN_SIG
GND
ZN#
ZN#
LDI
12V
OL_LVL_SW_SIG
ECM
900_ecm_hybrid_misc
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
CYL_SHTOF_SOL_CONT_A
CYL_SHTOF_SOL_CONT_B
CYL_SHTOF_SOL_CONT_C
CYL_SHTOF_SOL_CONT_D
LSD ZN#
LSD ZN#
LSD ZN#
LSD ZN#
AU J3-11
AU J3-68
AU J3-10
AU J3-69
POWER DIST
Ptr-Engine(Ubec)
Page - Pwr Dist-16
15A
1839 LOMA_PTR
5491.
D-BU
0.35
ENG
TXL 19
50
5492.
L-GN
0.35
ENG
TXL 19
50
5493.
GY
0.35
ENG
TXL 19
50
5494.
OG
0.35
ENG
TXL 19
50
C
D
B
A
E
SOLENOID
SOLENOID
SOLENOID
SOLENOID
CYL 1
CYL 7
CYL 6
CYL 4
Lifter Oil Manifold Assembly
900_loma 002
UPC FNA
12186057
NOTES
• 1 – 2009 LTB REQUIRES LOMA.

ARE16374
003
GMT900
GM Proprietary

Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 4 of 17

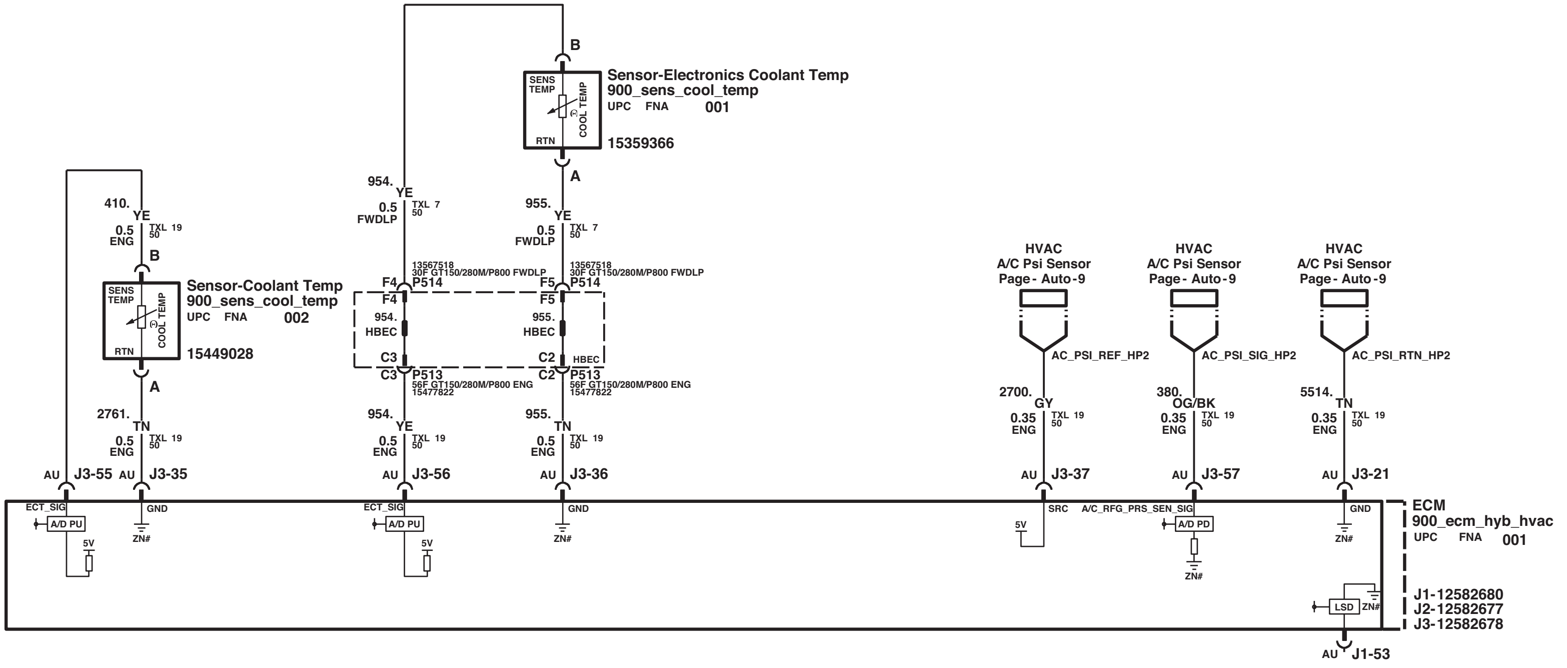
Panel Set: 4

&LFA

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – Hybrid


Sensor-Electronics Coolant Temp
900_sens_cool_temp
UPC FNA 001
15359366
SENS TEMP
COOL TEMP
RTN
B
A
954.
YE
0.5
FWDLP
TXL 7
50
955.
YE
0.5
FWDLP
TXL 7
50
410.
YE
0.5
ENG
TXL 19
50
B
Sensor-Coolant Temp
900_sens_cool_temp
UPC FNA 002
15449028
SENS TEMP
COOL TEMP
RTN
A
2761.
TN
0.5
ENG
TXL 19
50
13567518
30F GT150/280M/P800 FWDLP
F4 P514
F5 P514
F4
F5
954.
HBEC
955.
HBEC
C3
C2
HBEC
C3 P513
C2 P513
56F GT150/280M/P800 ENG
15477822
954.
YE
0.5
ENG
TXL 19
50
955.
TN
0.5
ENG
TXL 19
50
HVAC
A/C Psi Sensor
Page - Auto - 9
AC_PSI_REF_HP2
AC_PSI_SIG_HP2
AC_PSI_RTN_HP2
2700.
GY
0.35
ENG
TXL 19
50
380.
OG/BK
0.35
ENG
TXL 19
50
5514.
TN
0.35
ENG
TXL 19
50
AU J3-55
AU J3-35
AU J3-56
AU J3-36
AU J3-37
AU J3-57
AU J3-21
ECT_SIG
A/D PU
5V
GND
ZN#
SRC
A/C_RFG_PRS_SEN_SIG
A/D PD
LSD
ECM
900_ecm_hyb_hvac
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
AU J1-53

ARE16374
003
GMT900
GM Proprietary

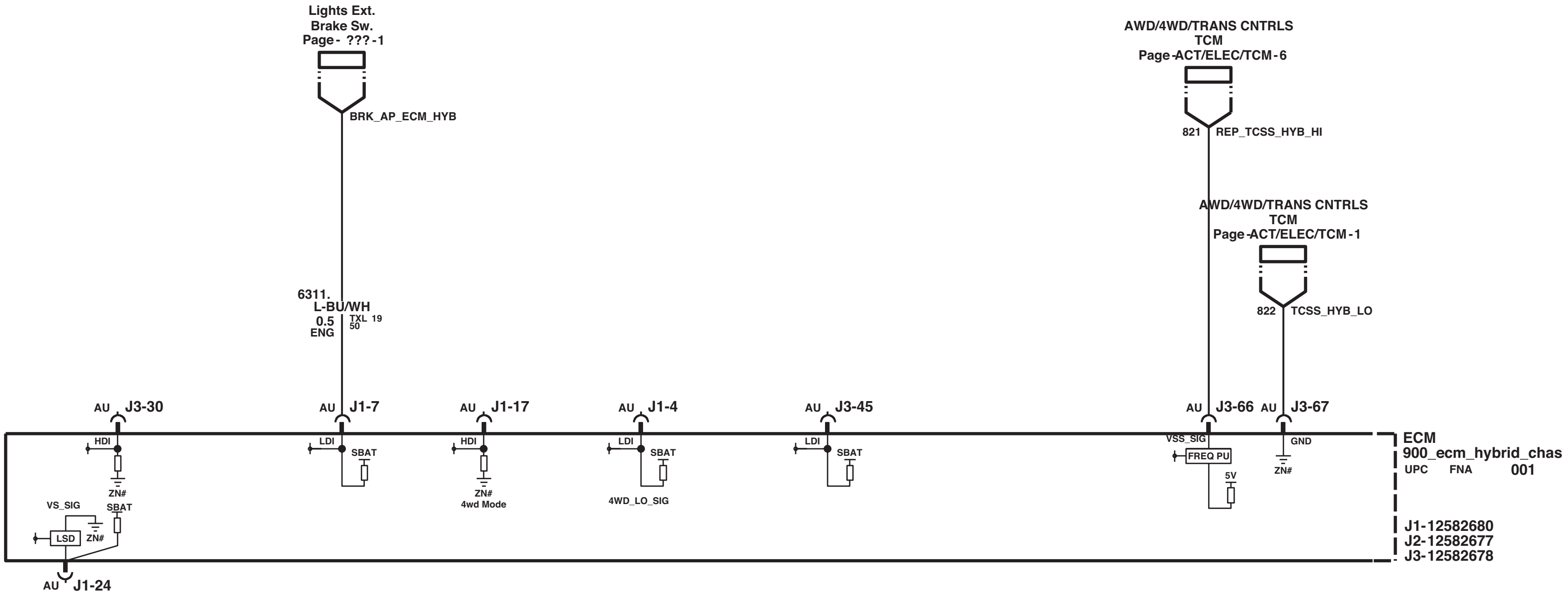
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 5 of 17 Panel Set: 5 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Lights Ext.
Brake Sw.
Page - ??? - 1
BRK_AP_ECM_HYB
6311.
L-BU/WH
0.5
ENG
TXL 19
50
AWD/4WD/TRANS CNTRLS
TCM
Page-ACT/ELEC/TCM - 6
821
REP_TCSS_HYB_HI
AWD/4WD/TRANS CNTRLS
TCM
Page-ACT/ELEC/TCM - 1
822
TCSS_HYB_LO
AU J3-30
AU J1-7
AU J1-17
AU J1-4
AU J3-45
AU J3-66
AU J3-67
HDI
ZN#
VS_SIG
SBAT
LSD
ZN#
LDI
SBAT
HDI
ZN#
4wd Mode
LDI
SBAT
4WD_LO_SIG
LDI
SBAT
VSS_SIG
FREQ PU
5V
GND
ZN#
AU J1-24
ECM
900_ecm_hybrid_chas
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678

ARE16374
003
GMT900
GM Proprietary

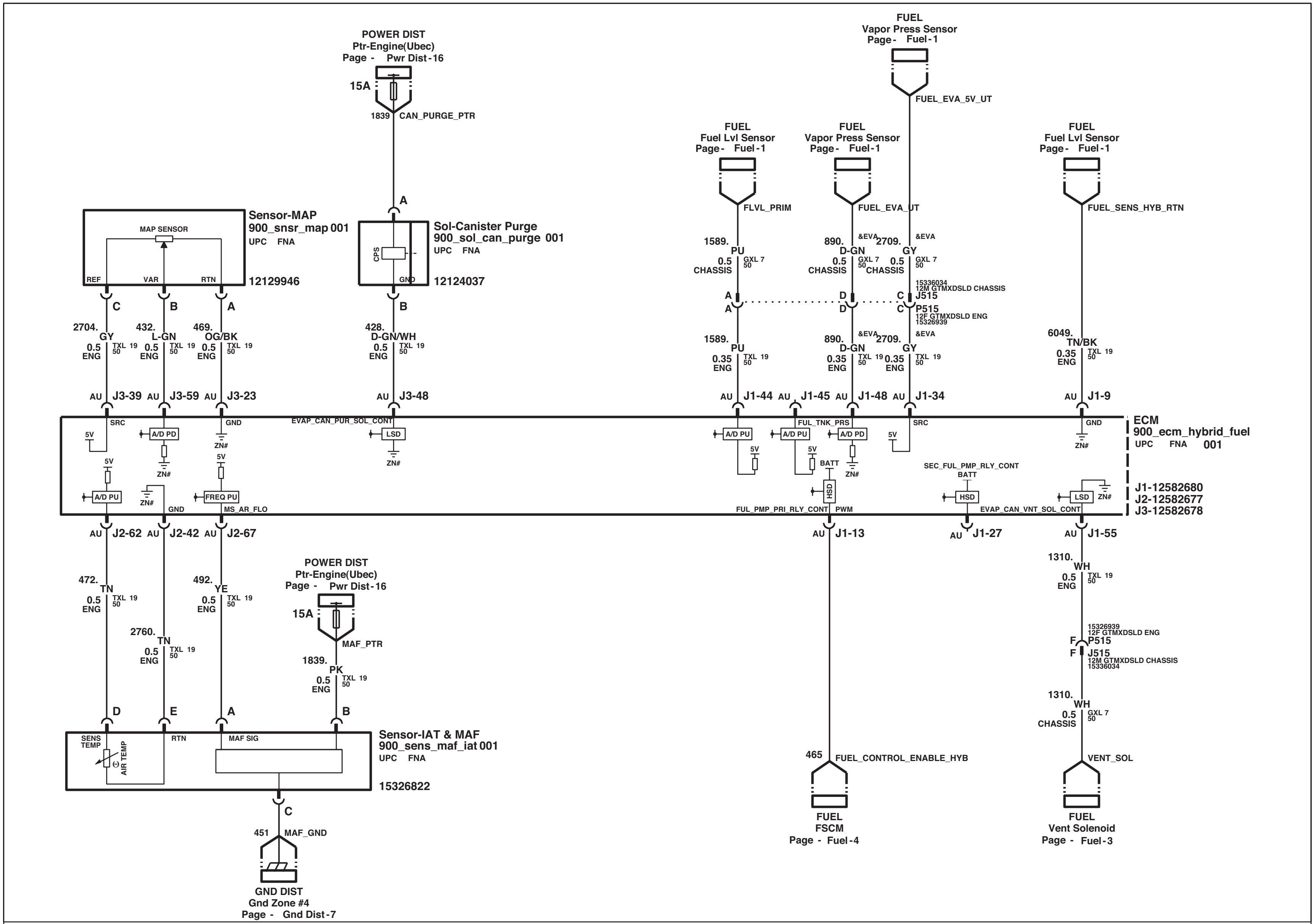
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 6 of 17 Panel Set: 6 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid



POWER DIST
Ptr-Engine(Ubec)
Page - Pwr Dist-16
15A
1839 CAN_PURGE_PTR
A
Sol-Canister Purge
900_sol_can_purge 001
UPC FNA
CPS
GND
12124037
B
428.
D-GN/WH
0.5 ENG
TXL 19 50
Sensor-MAP
900_snsr_map 001
UPC FNA
MAP SENSOR
REF
VAR
RTN
12129946
C
B
A
2704. GY 0.5 ENG TXL 19 50
432. L-GN 0.5 ENG TXL 19 50
469. OG/BK 0.5 ENG TXL 19 50
AU J3-39
AU J3-59
AU J3-23
AU J3-48
FUEL
Vapor Press Sensor
Page - Fuel-1
FUEL_EVA_5V_UT
FUEL
Fuel Lvl Sensor
Page - Fuel-1
FLVL_PRIM
FUEL
Vapor Press Sensor
Page - Fuel-1
FUEL_EVA_UT
FUEL
Fuel Lvl Sensor
Page - Fuel-1
FUEL_SENS_HYB_RTN
1589. PU 0.5 CHASSIS GXL 7 50
890. D-GN 0.5 CHASSIS GXL 7 50
&EVA
2709. GY 0.5 CHASSIS GXL 7 50
&EVA
15336034
12M GTMXDSLD CHASSIS
J515
P515
12F GTMXDSLD ENG
15326939
A
D
C
1589. PU 0.35 ENG TXL 19 50
890. D-GN 0.35 ENG TXL 19 50
&EVA
2709. GY 0.35 ENG TXL 19 50
&EVA
6049. TN/BK 0.35 ENG TXL 19 50
AU J1-44
AU J1-45
AU J1-48
AU J1-34
AU J1-9
SRC
5V
A/D PD
GND
ZN#
EVAP_CAN_PUR_SOL_CONT
LSD
A/D PU
FREQ PU
MS_AR_FLO
FUL_TNK_PRS
BATT
HSD
FUL_PMP_PRI_RLY_CONT
PWM
SEC_FUL_PMP_RLY_CONT
EVAP_CAN_VNT_SOL_CONT
ECM
900_ecm_hybrid_fuel
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
AU J2-62
AU J2-42
AU J2-67
AU J1-13
AU J1-27
AU J1-55
472. TN 0.5 ENG TXL 19 50
492. YE 0.5 ENG TXL 19 50
2760. TN 0.5 ENG TXL 19 50
POWER DIST
Ptr-Engine(Ubec)
Page - Pwr Dist-16
15A
MAF_PTR
1839. PK 0.5 ENG TXL 19 50
D
E
A
B
Sensor-IAT & MAF
900_sens_maf_iat 001
UPC FNA
SENS TEMP
AIR TEMP
RTN
MAF SIG
15326822
C
451 MAF_GND
GND DIST
Gnd Zone #4
Page - Gnd Dist-7
1310. WH 0.5 ENG TXL 19 50
15326939
12F GTMXDSLD ENG
F P515
F J515
12M GTMXDSLD CHASSIS
15336034
1310. WH 0.5 CHASSIS GXL 7 50
465 FUEL_CONTROL_ENABLE_HYB
FUEL
FSCM
Page - Fuel-4
VENT_SOL
FUEL
Vent Solenoid
Page - Fuel-3

ARE16374
003
GMT900
GM Proprietary

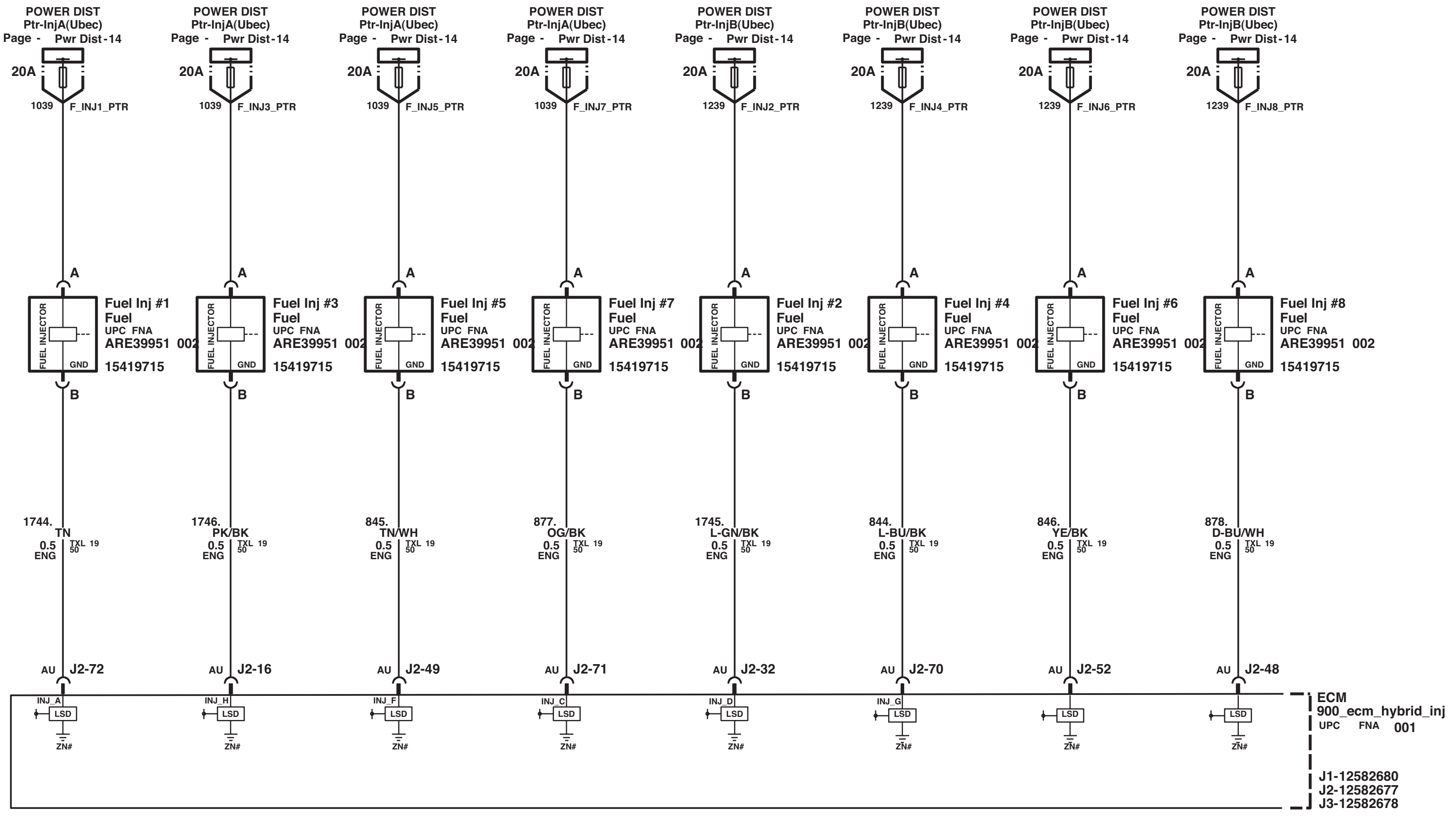
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 7 of 17 Panel Set: 7 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid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Ptr-InjA(Ubec)
Page - Pwr Dist-14
20A
1039 F_INJ1_PTR
1039 F_INJ3_PTR
1039 F_INJ5_PTR
1039 F_INJ7_PTR
POWER DIST
Ptr-InjB(Ubec)
1239 F_INJ2_PTR
1239 F_INJ4_PTR
1239 F_INJ6_PTR
1239 F_INJ8_PTR
A
FUEL INJECTOR
GND
B
Fuel Inj #1 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #3 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #5 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #7 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #2 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #4 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #6 Fuel UPC FNA ARE39951 002 15419715
Fuel Inj #8 Fuel UPC FNA ARE39951 002 15419715
1744. TN 0.5 ENG TXL 19 50
1746. PK/BK 0.5 ENG TXL 19 50
845. TN/WH 0.5 ENG TXL 19 50
877. OG/BK 0.5 ENG TXL 19 50
1745. L-GN/BK 0.5 ENG TXL 19 50
844. L-BU/BK 0.5 ENG TXL 19 50
846. YE/BK 0.5 ENG TXL 19 50
878. D-BU/WH 0.5 ENG TXL 19 50
AU J2-72
AU J2-16
AU J2-49
AU J2-71
AU J2-32
AU J2-70
AU J2-52
AU J2-48
INJ_A
INJ_H
INJ_F
INJ_C
INJ_D
INJ_G
LSD
ZN#
ECM
900_ecm_hybrid_inj
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678

ARE16374
003
GMT900
GM Proprietary

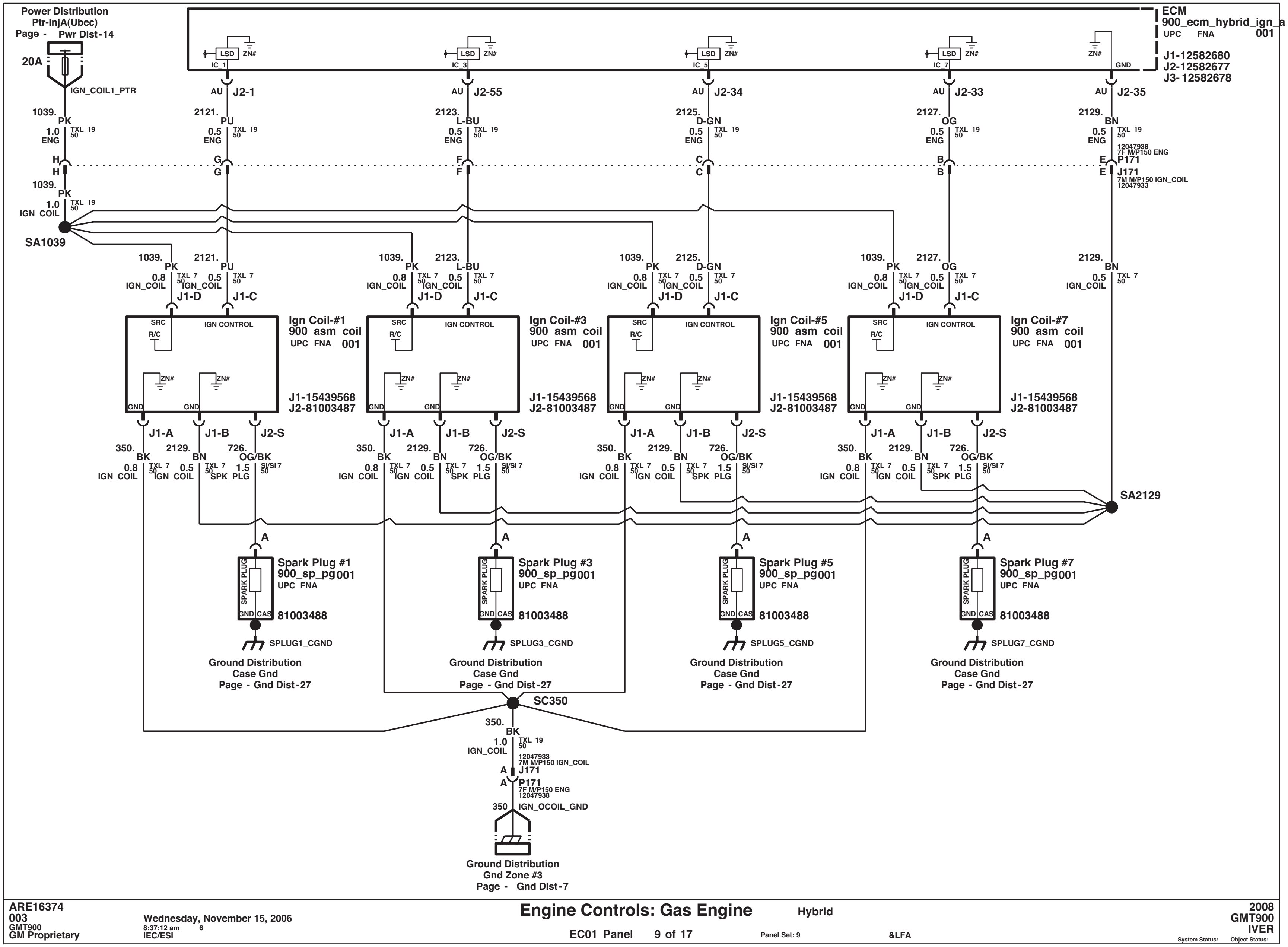
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

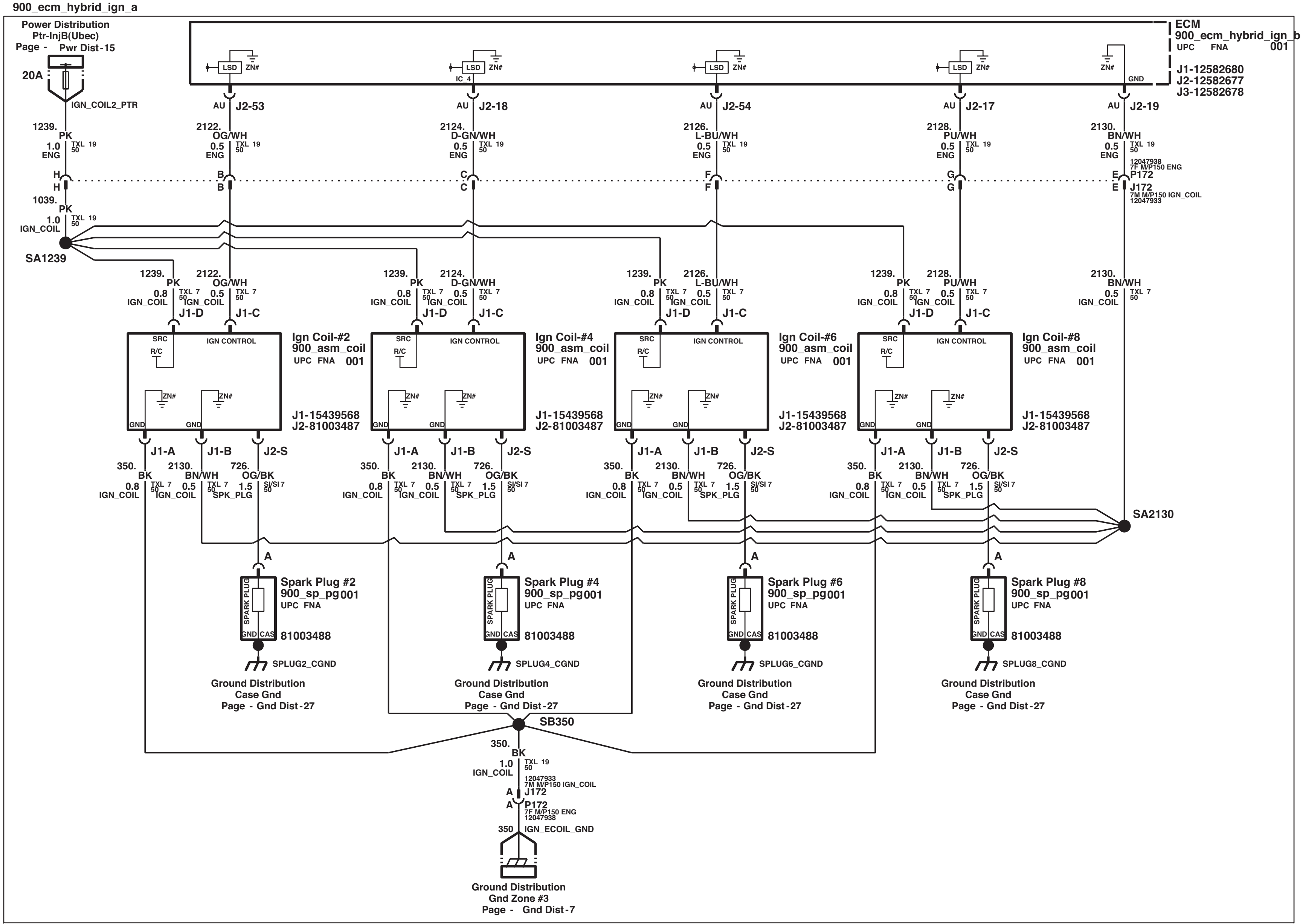
EC01 Panel 8 of 17 Panel Set: 8 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Power Distribution
Ptr-InjA(Ubec)
Page - Pwr Dist-14
20A
IGN_COIL1_PTR
ECM
900_ecm_hybrid_ign_a
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
LSD
ZN#
IC_1
IC_3
IC_5
IC_7
GND
AU J2-1
AU J2-55
AU J2-34
AU J2-33
AU J2-35
1039. PK 1.0 ENG TXL 19 50
2121. PU 0.5 ENG TXL 19 50
2123. L-BU 0.5 ENG TXL 19 50
2125. D-GN 0.5 ENG TXL 19 50
2127. OG 0.5 ENG TXL 19 50
2129. BN 0.5 ENG TXL 19 50
12047938 7F M/P150 ENG P171
J171 7M M/P150 IGN_COIL 12047933
H G F C B E
1039. PK 1.0 IGN_COIL TXL 19 50
SA1039
1039. PK 0.8 IGN_COIL TXL 7 50
2121. PU 0.5 IGN_COIL TXL 7 50
2123. L-BU 0.5 IGN_COIL TXL 7 50
2125. D-GN 0.5 IGN_COIL TXL 7 50
2127. OG 0.5 IGN_COIL TXL 7 50
2129. BN 0.5 IGN_COIL TXL 7 50
J1-D
J1-C
SRC
R/C
IGN CONTROL
Ign Coil-#1
Ign Coil-#3
Ign Coil-#5
Ign Coil-#7
900_asm_coil
UPC FNA 001
J1-15439568
J2-81003487
J1-A
J1-B
J2-S
350. BK 0.8 IGN_COIL TXL 7 50
2129. BN 0.5 IGN_COIL TXL 7 50
726. OG/BK 1.5 SPK_PLG SI/SI 7 50
SA2129
A
Spark Plug #1
Spark Plug #3
Spark Plug #5
Spark Plug #7
900_sp_pg 001
UPC FNA
SPARK PLUG
GND CAS
81003488
SPLUG1_CGND
SPLUG3_CGND
SPLUG5_CGND
SPLUG7_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-27
SC350
350. BK 1.0 IGN_COIL TXL 19 50
12047933 7M M/P150 IGN_COIL
A J171
A P171
7F M/P150 ENG 12047938
350 IGN_OCOIL_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist-7
ARE16374
003
GMT900
GM Proprietary
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI
Engine Controls: Gas Engine
Hybrid
EC01 Panel 9 of 17
Panel Set: 9
&LFA
2008
GMT900
IVER
System Status:
Object Status:

Engine Controls: Gas – Hybrid


900_ecm_hybrid_ign_a
Power Distribution
Ptr-InjB(Ubec)
Page - Pwr Dist-15
20A
IGN_COIL2_PTR
1239. PK 1.0 ENG TXL 19 50
H
1039. PK 1.0 IGN_COIL TXL 19 50
SA1239
ECM
900_ecm_hybrid_ign_b
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
LSD
ZN#
IC_4
GND
AU J2-53
AU J2-18
AU J2-54
AU J2-17
AU J2-19
2122. OG/WH 0.5 ENG TXL 19 50
2124. D-GN/WH 0.5 ENG TXL 19 50
2126. L-BU/WH 0.5 ENG TXL 19 50
2128. PU/WH 0.5 ENG TXL 19 50
2130. BN/WH 0.5 ENG TXL 19 50
B C F G E
12047938
7F M/P150 ENG
P172
J172
7M M/P150 IGN_COIL
12047933
1239. PK 0.8 IGN_COIL TXL 7 50
2122. OG/WH 0.5 IGN_COIL TXL 7 50
2124. D-GN/WH 0.5 IGN_COIL TXL 7 50
2126. L-BU/WH 0.5 IGN_COIL TXL 7 50
2128. PU/WH 0.5 IGN_COIL TXL 7 50
2130. BN/WH 0.5 IGN_COIL TXL 7 50
J1-D
J1-C
SRC
R/C
IGN CONTROL
GND
Ign Coil-#2
Ign Coil-#4
Ign Coil-#6
Ign Coil-#8
900_asm_coil
UPC FNA 001
J1-15439568
J2-81003487
J1-A
J1-B
J2-S
350. BK 0.8 IGN_COIL TXL 7 50
2130. BN/WH 0.5 IGN_COIL TXL 7 50
726. OG/BK 1.5 SPK_PLG SI/SI 7 50
SA2130
A
SPARK PLUG
CAS
Spark Plug #2
Spark Plug #4
Spark Plug #6
Spark Plug #8
900_sp_pg 001
UPC FNA
81003488
SPLUG2_CGND
SPLUG4_CGND
SPLUG6_CGND
SPLUG8_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist-27
SB350
350. BK 1.0 IGN_COIL TXL 19 50
12047933
7M M/P150 IGN_COIL
A J172
A P172
7F M/P150 ENG
12047938
350 IGN_ECOIL_GND
Ground Distribution
Gnd Zone #3
Page - Gnd Dist-7

ARE16374
003
GMT900
GM Proprietary

Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

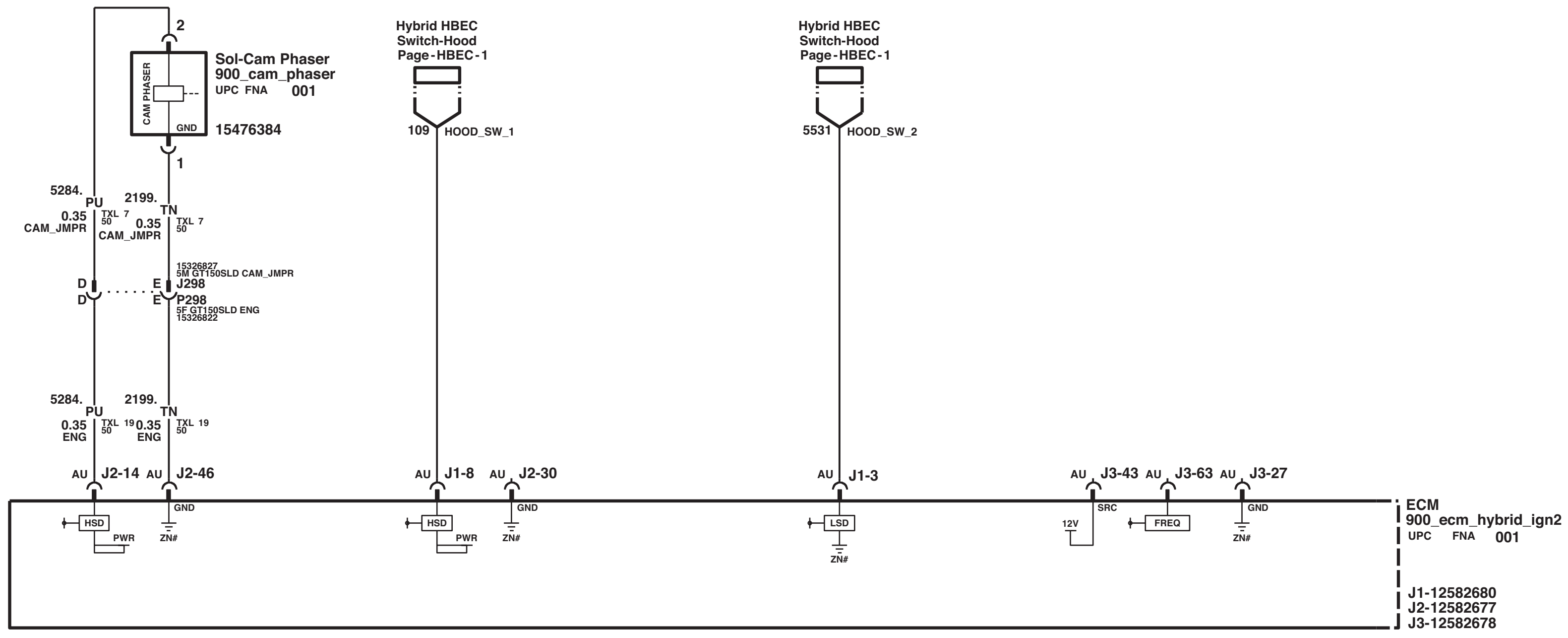
EC01 Panel 10 of 17 Panel Set: 10 &LFA

2008
GMT900
IVER

System Status: Object Status:

Engine Controls: Gas – Hybrid

900_ecm_hybrid_ign_b


2
Sol-Cam Phaser
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UPC FNA 001
CAM PHASER
GND
15476384
1
Hybrid HBEC
Switch-Hood
Page-HBEC-1
109 HOOD_SW_1
Hybrid HBEC
Switch-Hood
Page-HBEC-1
5531 HOOD_SW_2
5284.
PU
0.35
CAM_JMPR
TXL 7
50
2199.
TN
0.35
CAM_JMPR
TXL 7
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15326827
5M GT150SLD CAM_JMPR
D
E
J298
D
E
P298
5F GT150SLD ENG
15326822
5284.
PU
0.35
ENG
TXL 19
50
2199.
TN
0.35
ENG
TXL 19
50
AU J2-14
AU J2-46
AU J1-8
AU J2-30
AU J1-3
AU J3-43
AU J3-63
AU J3-27
HSD
PWR
GND
ZN#
HSD
PWR
GND
ZN#
LSD
ZN#
12V
SRC
FREQ
GND
ZN#
ECM
900_ecm_hybrid_ign2
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678

ARE16374
003
GMT900
GM Proprietary

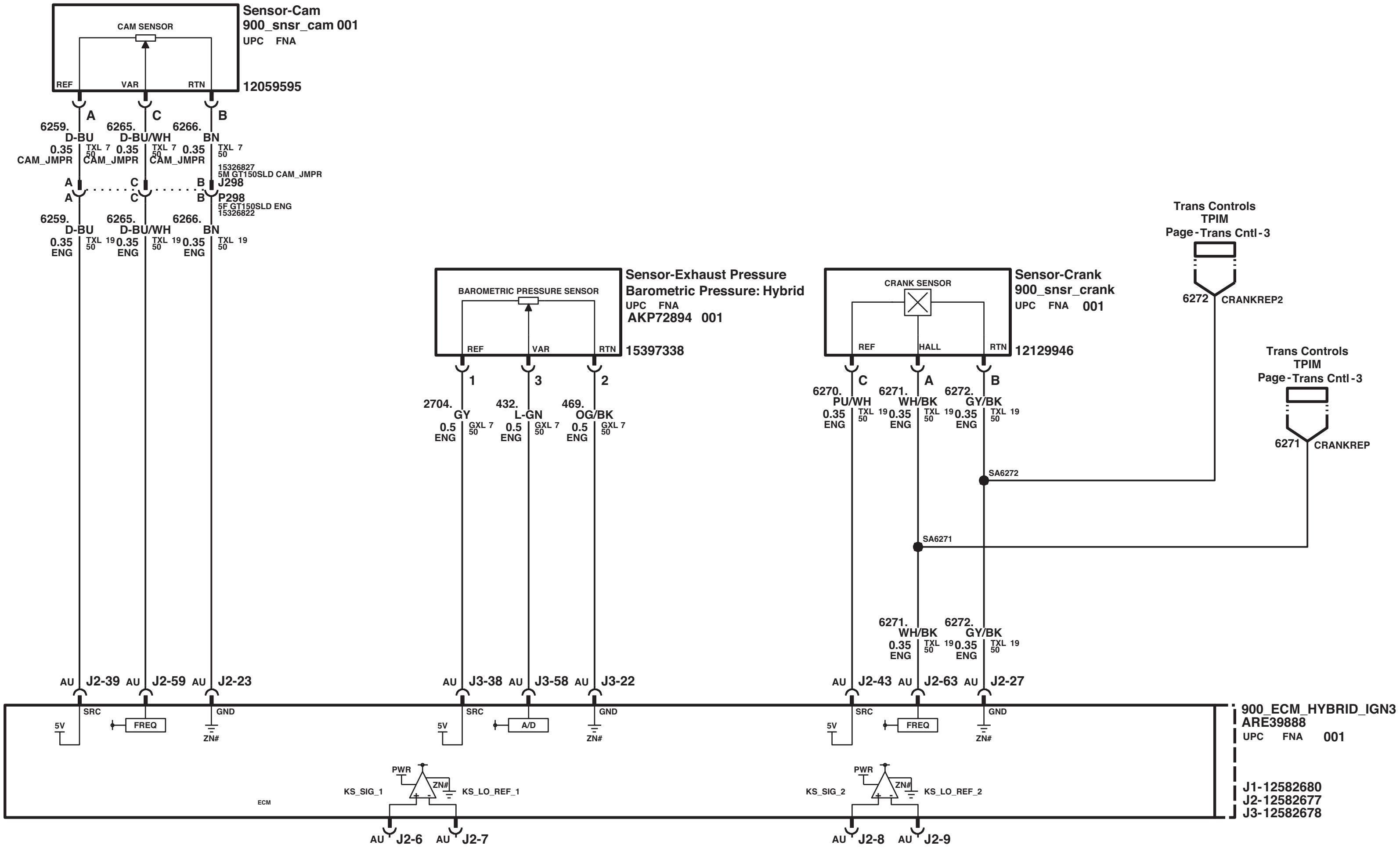
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 11 of 17 Panel Set: 11 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Sensor-Cam
900_snsr_cam 001
UPC FNA
CAM SENSOR
REF
VAR
RTN
12059595
A
C
B
6259.
D-BU
0.35
TXL 7
50
CAM_JMPR
6265.
D-BU/WH
0.35
TXL 7
50
CAM_JMPR
6266.
BN
0.35
TXL 7
50
CAM_JMPR
15326827
5M GT150SLD CAM_JMPR
J298
P298
5F GT150SLD ENG
15326822
6259.
D-BU
0.35
TXL 19
50
ENG
6265.
D-BU/WH
0.35
TXL 19
50
ENG
6266.
BN
0.35
TXL 19
50
ENG
Sensor-Exhaust Pressure
Barometric Pressure: Hybrid
UPC FNA
AKP72894 001
BAROMETRIC PRESSURE SENSOR
REF
VAR
RTN
15397338
1
3
2
2704.
GY
0.5
GXL 7
50
ENG
432.
L-GN
0.5
GXL 7
50
ENG
469.
OG/BK
0.5
GXL 7
50
ENG
Sensor-Crank
900_snsr_crank
UPC FNA 001
CRANK SENSOR
REF
HALL
RTN
12129946
C
A
B
6270.
PU/WH
0.35
TXL 19
50
ENG
6271.
WH/BK
0.35
TXL 19
50
ENG
6272.
GY/BK
0.35
TXL 19
50
ENG
Trans Controls
TPIM
Page-Trans Cntl-3
6272
CRANKREP2
Trans Controls
TPIM
Page-Trans Cntl-3
6271
CRANKREP
SA6272
SA6271
6271.
WH/BK
0.35
TXL 19
50
ENG
6272.
GY/BK
0.35
TXL 19
50
ENG
AU J2-39
AU J2-59
AU J2-23
AU J3-38
AU J3-58
AU J3-22
AU J2-43
AU J2-63
AU J2-27
SRC
5V
FREQ
GND
ZN#
SRC
5V
A/D
GND
ZN#
SRC
5V
FREQ
GND
ZN#
PWR
ZN#
KS_SIG_1
KS_LO_REF_1
ECM
PWR
ZN#
KS_SIG_2
KS_LO_REF_2
AU J2-6
AU J2-7
AU J2-8
AU J2-9
900_ECM_HYBRID_IGN3
ARE39888
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678

ARE16374
003
GMT900
GM Proprietary

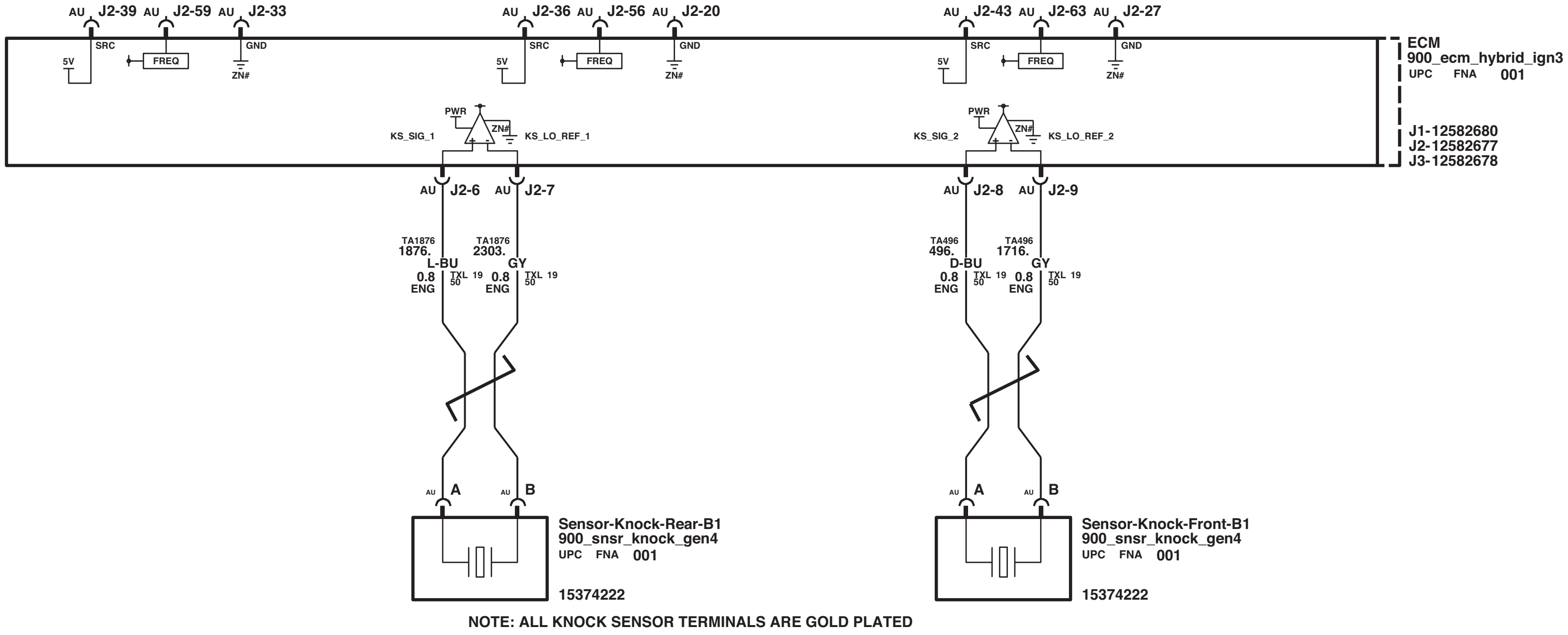
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 12 of 17 Panel Set: 12 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


AU J2-39
AU J2-59
AU J2-33
AU J2-36
AU J2-56
AU J2-20
AU J2-43
AU J2-63
AU J2-27
SRC
5V
FREQ
GND
ZN#
ECM
900_ecm_hybrid_ign3
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
PWR
ZN#
KS_SIG_1
KS_LO_REF_1
KS_SIG_2
KS_LO_REF_2
AU J2-6
AU J2-7
AU J2-8
AU J2-9
TA1876
1876.
L-BU
0.8
ENG
TXL 19 50
TA1876
2303.
GY
0.8
ENG
TXL 19 50
TA496
496.
D-BU
0.8
ENG
TXL 19 50
TA496
1716.
GY
0.8
ENG
TXL 19 50
AU A
AU B
Sensor-Knock-Rear-B1
900_snsr_knock_gen4
UPC FNA 001
15374222
Sensor-Knock-Front-B1
900_snsr_knock_gen4
UPC FNA 001
15374222

NOTE: ALL KNOCK SENSOR TERMINALS ARE GOLD PLATED

ARE16374
003
GMT900
GM Proprietary

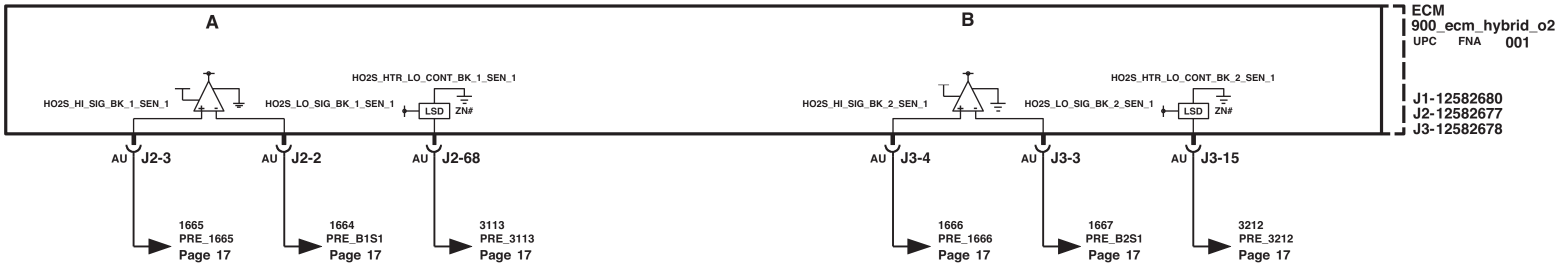
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 13 of 17 Panel Set: 13 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


A
B
ECM
900_ecm_hybrid_o2
UPC
FNA
001
J1-12582680
J2-12582677
J3-12582678
HO2S_HTR_LO_CONT_BK_1_SEN_1
HO2S_HI_SIG_BK_1_SEN_1
HO2S_LO_SIG_BK_1_SEN_1
LSD
ZN#
HO2S_HTR_LO_CONT_BK_2_SEN_1
HO2S_HI_SIG_BK_2_SEN_1
HO2S_LO_SIG_BK_2_SEN_1
LSD
ZN#
AU J2-3
AU J2-2
AU J2-68
AU J3-4
AU J3-3
AU J3-15
1665
PRE_1665
Page 17
1664
PRE_B1S1
Page 17
3113
PRE_3113
Page 17
1666
PRE_1666
Page 17
1667
PRE_B2S1
Page 17
3212
PRE_3212
Page 17

ARE16374
003
GMT900
GM Proprietary

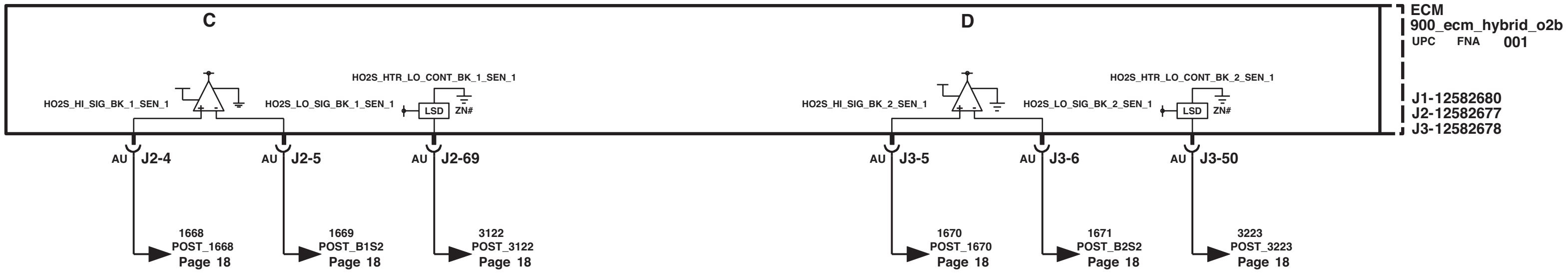
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 14 of 17 Panel Set: 14 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


C
D
ECM
900_ecm_hybrid_o2b
UPC FNA 001
J1-12582680
J2-12582677
J3-12582678
HO2S_HI_SIG_BK_1_SEN_1
HO2S_LO_SIG_BK_1_SEN_1
HO2S_HTR_LO_CONT_BK_1_SEN_1
LSD
ZN#
HO2S_HI_SIG_BK_2_SEN_1
HO2S_LO_SIG_BK_2_SEN_1
HO2S_HTR_LO_CONT_BK_2_SEN_1
LSD
ZN#
AU J2-4
AU J2-5
AU J2-69
AU J3-5
AU J3-6
AU J3-50
1668 POST_1668 Page 18
1669 POST_B1S2 Page 18
3122 POST_3122 Page 18
1670 POST_1670 Page 18
1671 POST_B2S2 Page 18
3223 POST_3223 Page 18

ARE16374
003
GMT900
GM Proprietary

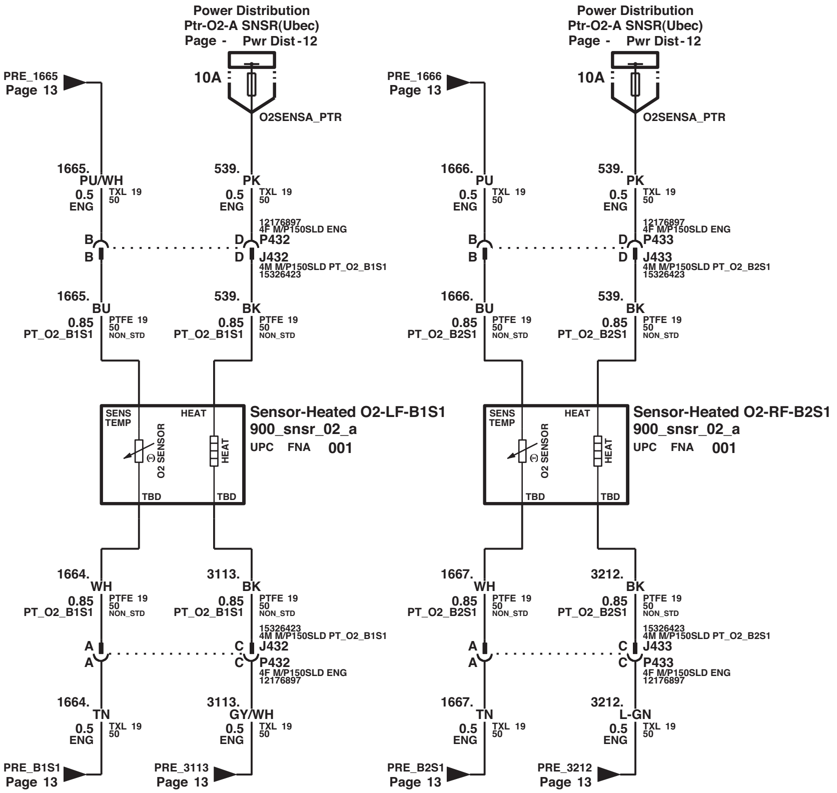
Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

Engine Controls: Gas Engine Hybrid

EC01 Panel 15 of 17 Panel Set: 15 &LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Power Distribution
Ptr-O2-A SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSA_PTR
PRE_1665
Page 13
1665.
PU/WH
0.5
ENG
TXL 19
50
539.
PK
0.5
ENG
TXL 19
50
12176897
4F M/P150SLD ENG
B
D
P432
J432
4M M/P150SLD PT_O2_B1S1
15326423
1665.
BU
0.85
PT_O2_B1S1
PTFE 19
50
NON_STD
539.
BK
0.85
PT_O2_B1S1
SENS TEMP
HEAT
O2 SENSOR
TBD
Sensor-Heated O2-LF-B1S1
900_snsr_02_a
UPC FNA 001
1664.
WH
3113.
BK
15326423
4M M/P150SLD PT_O2_B1S1
A
C
J432
P432
4F M/P150SLD ENG
12176897
1664.
TN
3113.
GY/WH
PRE_B1S1
Page 13
PRE_3113
Page 13
Power Distribution
Ptr-O2-A SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSA_PTR
PRE_1666
Page 13
1666.
PU
539.
PK
12176897
4F M/P150SLD ENG
P433
J433
4M M/P150SLD PT_O2_B2S1
15326423
1666.
BU
0.85
PT_O2_B2S1
539.
BK
Sensor-Heated O2-RF-B2S1
900_snsr_02_a
UPC FNA 001
1667.
WH
3212.
BK
15326423
4M M/P150SLD PT_O2_B2S1
J433
P433
4F M/P150SLD ENG
12176897
1667.
TN
3212.
L-GN
PRE_B2S1
Page 13
PRE_3212
Page 13

ARE16374
003
GMT900
GM Proprietary

Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

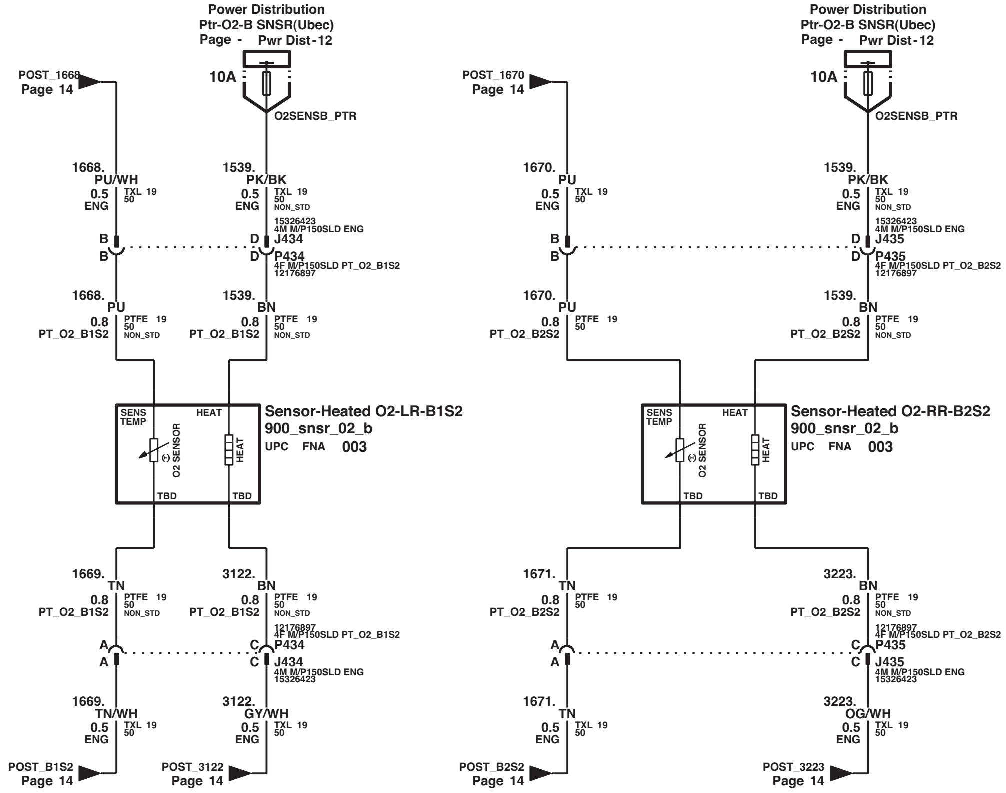
Engine Controls: Gas Engine Hybrid

EC01 Panel 16 of 17

&LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: Gas – Hybrid


Power Distribution
Ptr-O2-B SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSB_PTR
POST_1668
Page 14
1668.
PU/WH
0.5
ENG
TXL 19
50
1539.
PK/BK
0.5
ENG
TXL 19
50
NON_STD
15326423
4M M/P150SLD ENG
B
D
J434
B
D
P434
4F M/P150SLD PT_O2_B1S2
12176897
1668.
PU
0.8
PT_O2_B1S2
PTFE 19
50
NON_STD
1539.
BN
0.8
PT_O2_B1S2
PTFE 19
50
NON_STD
SENS TEMP
HEAT
O2 SENSOR
HEAT
TBD
TBD
Sensor-Heated O2-LR-B1S2
900_snsr_02_b
UPC FNA 003
1669.
TN
0.8
PT_O2_B1S2
PTFE 19
50
NON_STD
3122.
BN
0.8
PT_O2_B1S2
PTFE 19
50
NON_STD
12176897
4F M/P150SLD PT_O2_B1S2
A
C
P434
A
C
J434
4M M/P150SLD ENG
15326423
1669.
TN/WH
0.5
ENG
TXL 19
50
3122.
GY/WH
0.5
ENG
TXL 19
50
POST_B1S2
Page 14
POST_3122
Page 14
Power Distribution
Ptr-O2-B SNSR(Ubec)
Page - Pwr Dist-12
10A
O2SENSB_PTR
POST_1670
Page 14
1670.
PU
0.5
ENG
TXL 19
50
1539.
PK/BK
0.5
ENG
TXL 19
50
NON_STD
15326423
4M M/P150SLD ENG
B
D
J435
B
D
P435
4F M/P150SLD PT_O2_B2S2
12176897
1670.
PU
0.8
PT_O2_B2S2
PTFE 19
50
1539.
BN
0.8
PT_O2_B2S2
PTFE 19
50
NON_STD
SENS TEMP
HEAT
O2 SENSOR
HEAT
TBD
TBD
Sensor-Heated O2-RR-B2S2
900_snsr_02_b
UPC FNA 003
1671.
TN
0.8
PT_O2_B2S2
PTFE 19
50
3223.
BN
0.8
PT_O2_B2S2
PTFE 19
50
NON_STD
12176897
4F M/P150SLD PT_O2_B2S2
A
C
P435
A
C
J435
4M M/P150SLD ENG
15326423
1671.
TN
0.5
ENG
TXL 19
50
3223.
OG/WH
0.5
ENG
TXL 19
50
POST_B2S2
Page 14
POST_3223
Page 14

ARE16374
003
GMT900
GM Proprietary

Wednesday, November 15, 2006
8:37:12 am 6
IEC/ESI

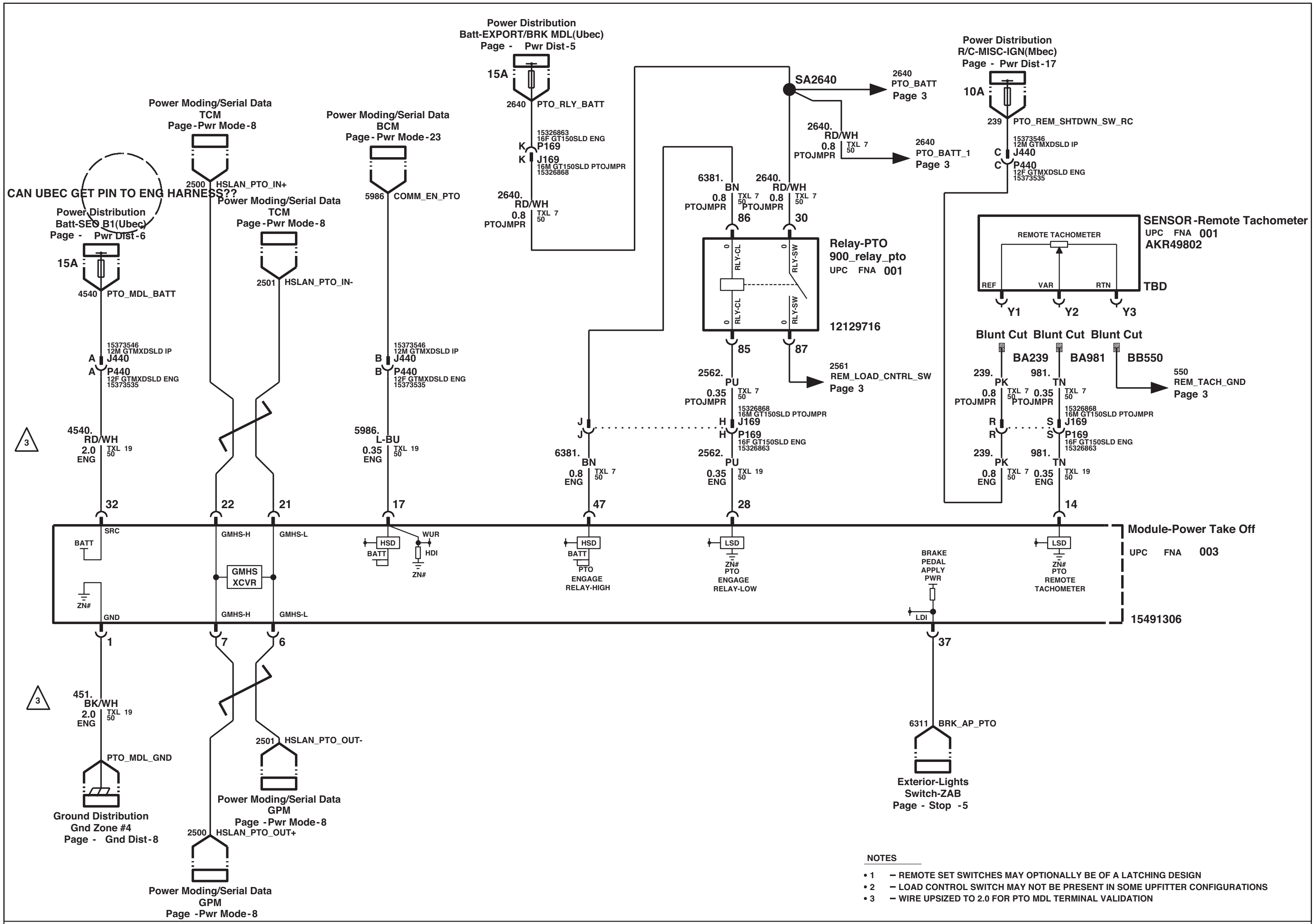
Engine Controls: Gas Engine Hybrid

EC01 Panel 17 of 17

&LFA

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: PTO Controls


Power Distribution
Batt-EXPORT/BRK MDL(Ubec)
Page - Pwr Dist-5
15A
2640 PTO_RLY_BATT
15326863 16F GT150SLD ENG
K P169
K J169
16M GT150SLD PTOJMPR 15326868
2640. RD/WH 0.8 TXL 7 50 PTOJMPR
SA2640
2640 PTO_BATT Page 3
2640. RD/WH 0.8 TXL 7 50 PTOJMPR
2640 PTO_BATT_1 Page 3
Power Distribution
R/C-MISC-IGN(Mbec)
Page - Pwr Dist-17
10A
239 PTO_REM_SHTDWN_SW_RC
15373546 12M GTMXDSLD IP
C J440
C P440
12F GTMXDSLD ENG 15373535
Power Moding/Serial Data
TCM
Page-Pwr Mode-8
2500 HSLAN_PTO_IN+
Power Moding/Serial Data
BCM
Page- Pwr Mode-23
5986 COMM_EN_PTO
CAN UBEC GET PIN TO ENG HARNESS??
Power Distribution
Batt-SEO B1(Ubec)
Page - Pwr Dist-6
15A
4540 PTO_MDL_BATT
Power Moding/Serial Data
TCM
Page -Pwr Mode-8
2501 HSLAN_PTO_IN-
6381. BN 0.8 TXL 7 50 PTOJMPR
2640. RD/WH 0.8 TXL 7 50 PTOJMPR
86
30
Relay-PTO
900_relay_pto
UPC FNA 001
RLY-CL
RLY-SW
12129716
85
87
2561 REM_LOAD_CNTRL_SW Page 3
SENSOR -Remote Tachometer
UPC FNA 001
AKR49802
REMOTE TACHOMETER
REF VAR RTN
TBD
Y1 Y2 Y3
Blunt Cut Blunt Cut Blunt Cut
BA239 BA981 BB550
550 REM_TACH_GND Page 3
15373546 12M GTMXDSLD IP
A J440
A P440
12F GTMXDSLD ENG 15373535
15373546 12M GTMXDSLD IP
B J440
B P440
12F GTMXDSLD ENG 15373535
2562. PU 0.35 TXL 7 50 PTOJMPR
15326868 16M GT150SLD PTOJMPR
J
H J169
H P169
16F GT150SLD ENG 15326863
239. PK 0.8 TXL 7 50 PTOJMPR
981. TN 0.35 TXL 7 50 PTOJMPR
15326868 16M GT150SLD PTOJMPR
R
S J169
S P169
16F GT150SLD ENG 15326863
3
4540. RD/WH 2.0 TXL 19 50 ENG
5986. L-BU 0.35 TXL 19 50 ENG
6381. BN 0.8 TXL 7 50 ENG
2562. PU 0.35 TXL 19 50 ENG
239. PK 0.8 TXL 7 50 ENG
981. TN 0.35 TXL 19 50 ENG
32 22 21 17 47 28 14
Module-Power Take Off
UPC FNA 003
15491306
SRC
BATT
GMHS-H GMHS-L
GMHS XCVR
HSD
BATT
WUR
HDI
ZN#
HSD
BATT
PTO ENGAGE RELAY-HIGH
LSD
ZN#
PTO ENGAGE RELAY-LOW
BRAKE PEDAL APPLY PWR
LDI
LSD
ZN#
PTO REMOTE TACHOMETER
ZN#
GND
1 7 6 37
3
451. BK/WH 2.0 TXL 19 50 ENG
PTO_MDL_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
2501 HSLAN_PTO_OUT-
Power Moding/Serial Data
GPM
Page -Pwr Mode-8
2500 HSLAN_PTO_OUT+
Power Moding/Serial Data
GPM
Page -Pwr Mode-8
6311 BRK_AP_PTO
Exterior-Lights
Switch-ZAB
Page - Stop -5

NOTES

- 1 – REMOTE SET SWITCHES MAY OPTIONALLY BE OF A LATCHING DESIGN
- 2 – LOAD CONTROL SWITCH MAY NOT BE PRESENT IN SOME UPFITTER CONFIGURATIONS
- 3 – WIRE UPSIZED TO 2.0 FOR PTO MDL TERMINAL VALIDATION

ARE16379
003
GMT900
GM Proprietary

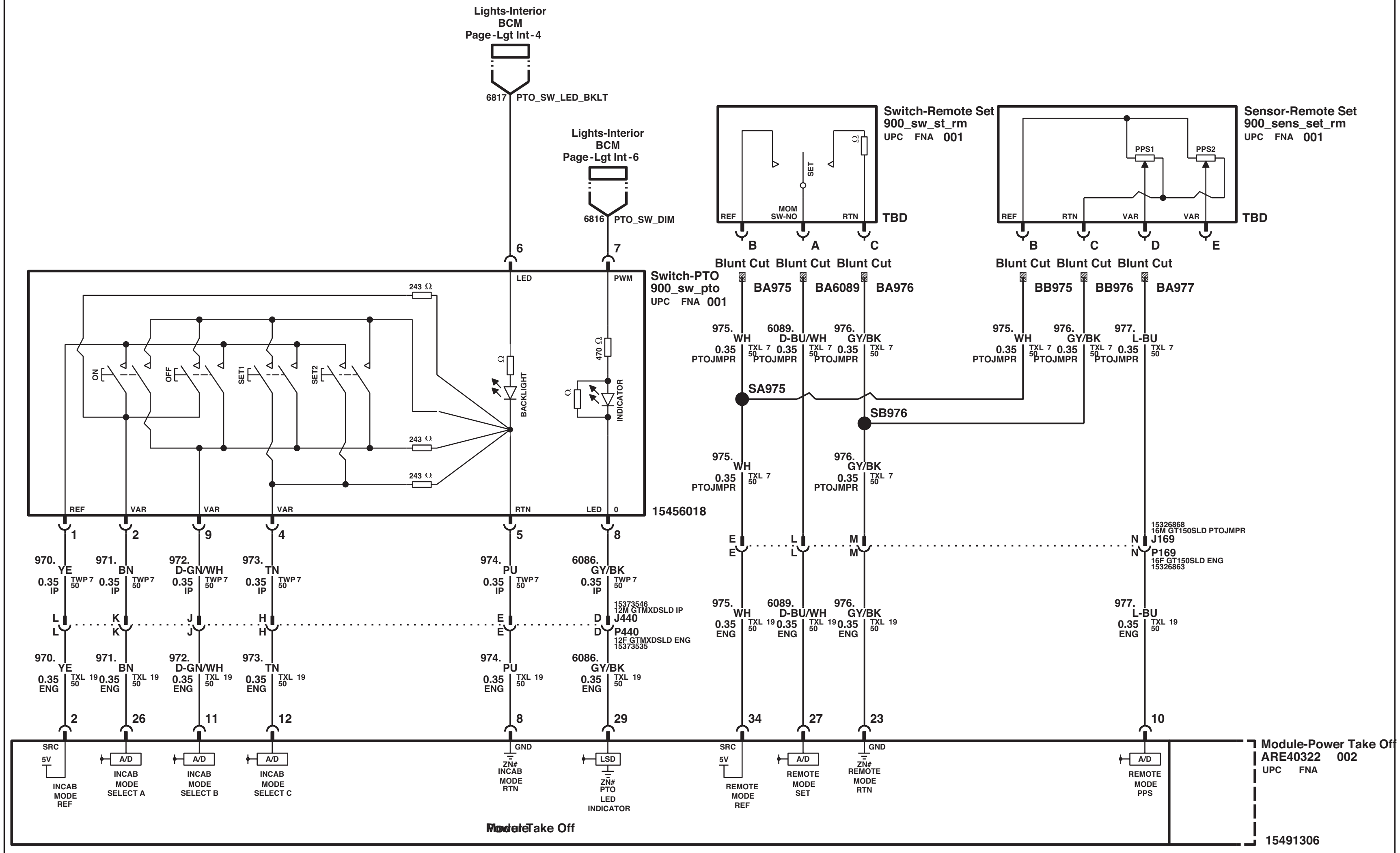
Monday, October 16, 2006
1:26:39 pm 13
IEC/ESI

Engine Controls: PTO Controls

1_08_eng_pto Panel 1 of 3 Panel Set: 1 &PTO

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: PTO Controls


Lights-Interior
BCM
Page-Lgt Int-4
6817 PTO_SW_LED_BKLT
Lights-Interior
BCM
Page-Lgt Int-6
6816 PTO_SW_DIM
6
7
LED
PWM
Switch-PTO
900_sw_pto
UPC FNA 001
243 Ω
470 Ω
Ω
ON
OFF
SET1
SET2
BACKLIGHT
INDICATOR
243 Ω
243 Ω
REF
VAR
VAR
VAR
RTN
LED 0
15456018
1
2
9
4
5
8
970. YE 0.35 TWP 7 50 IP
971. BN 0.35 TWP 7 50 IP
972. D-GN/WH 0.35 TWP 7 50 IP
973. TN 0.35 TWP 7 50 IP
974. PU 0.35 TWP 7 50 IP
6086. GY/BK 0.35 TWP 7 50 IP
15373546
12M GTMXDSLD IP
J440
P440
12F GTMXDSLD ENG
15373535
L K J H E D
970. YE 0.35 TXL 19 50 ENG
971. BN 0.35 TXL 19 50 ENG
972. D-GN/WH 0.35 TXL 19 50 ENG
973. TN 0.35 TXL 19 50 ENG
974. PU 0.35 TXL 19 50 ENG
6086. GY/BK 0.35 TXL 19 50 ENG
2
26
11
12
8
29
SRC
5V
INCAB MODE REF
A/D
INCAB MODE SELECT A
A/D
INCAB MODE SELECT B
A/D
INCAB MODE SELECT C
GND
ZN#
INCAB MODE RTN
LSD
ZN#
PTO LED INDICATOR
Switch-Remote Set
900_sw_st_rm
UPC FNA 001
Ω
SET
REF
MOM SW-NO
RTN
TBD
B A C
Blunt Cut Blunt Cut Blunt Cut
BA975 BA6089 BA976
975. WH 0.35 TXL 7 50 PTOJMPR
6089. D-BU/WH 0.35 TXL 7 50 PTOJMPR
976. GY/BK 0.35 TXL 7 50 PTOJMPR
SA975
SB976
975. WH 0.35 TXL 7 50 PTOJMPR
976. GY/BK 0.35 TXL 7 50 PTOJMPR
Sensor-Remote Set
900_sens_set_rm
UPC FNA 001
PPS1
PPS2
REF
RTN
VAR
VAR
TBD
B C D E
Blunt Cut Blunt Cut Blunt Cut
BB975 BB976 BA977
975. WH 0.35 TXL 7 50 PTOJMPR
976. GY/BK 0.35 TXL 7 50 PTOJMPR
977. L-BU 0.35 TXL 7 50 PTOJMPR
E L M N
15326868
16M GT150SLD PTOJMPR
J169
P169
16F GT150SLD ENG
15326863
975. WH 0.35 TXL 19 50 ENG
6089. D-BU/WH 0.35 TXL 19 50 ENG
976. GY/BK 0.35 TXL 19 50 ENG
977. L-BU 0.35 TXL 19 50 ENG
34
27
23
10
SRC
5V
REMOTE MODE REF
A/D
REMOTE MODE SET
GND
ZN#
REMOTE MODE RTN
A/D
REMOTE MODE PPS
Module-Power Take Off
ARE40322 002
UPC FNA
15491306
Power Take Off
Module

NOTES

- 1 – REMOTE SET SWITCH AND SENSOR ARE UPFITTER SUPPLIED

ARE16379
003
GMT900
GM Proprietary

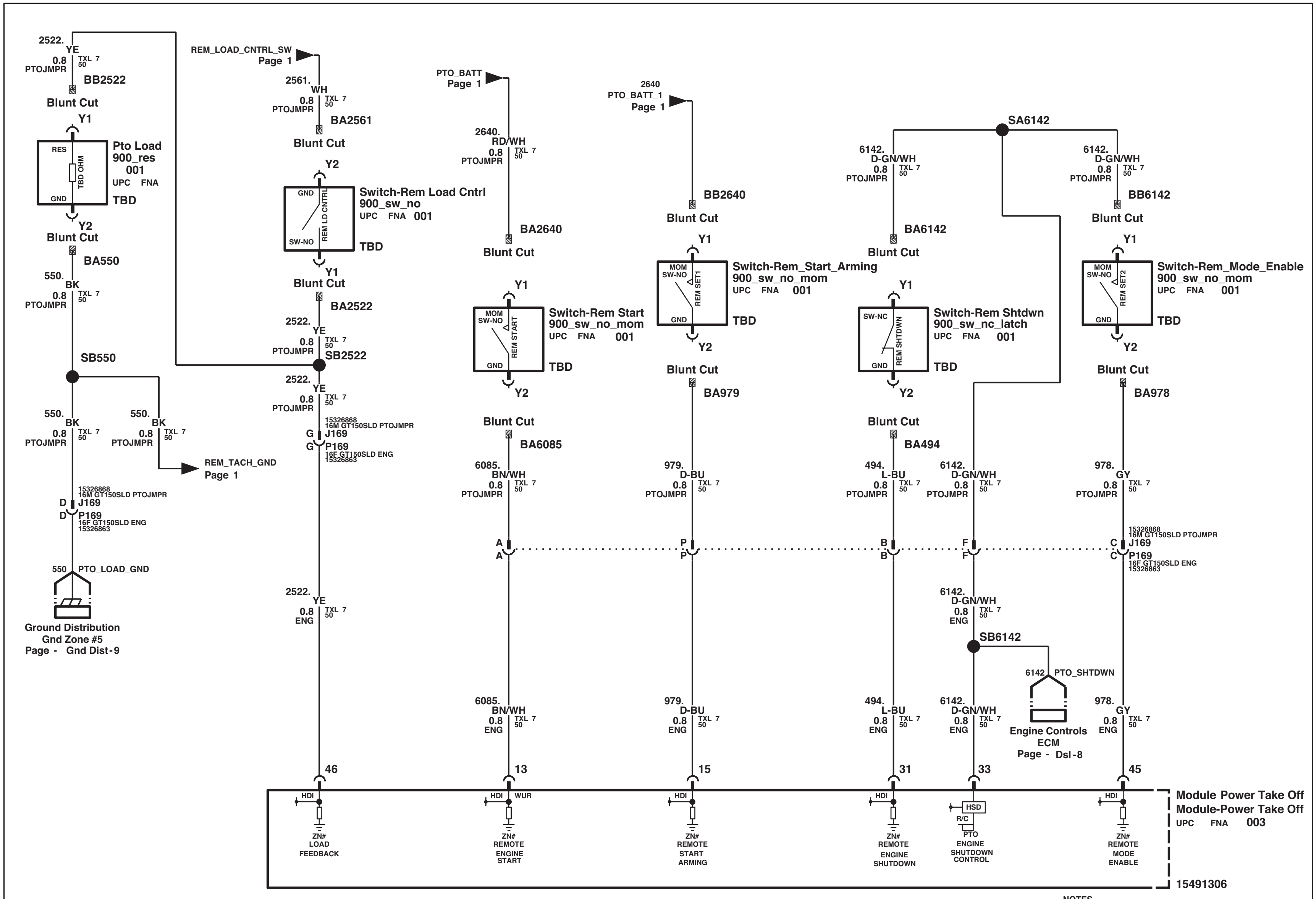
Monday, October 16, 2006
1:26:39 pm 13
IEC/ESI

Engine Controls: PTO Controls

1_08_eng_pto Panel 2 of 3 Panel Set: 2 &PTO

2008
GMT900
IVER
System Status: Object Status:

Engine Controls: PTO Controls


2522. YE 0.8 PTOJMPR TXL 7 50
BB2522
Blunt Cut
Y1
RES
TBD OHM
GND
Pto Load
900_res
001
UPC FNA
TBD
Y2
Blunt Cut
BA550
550. BK 0.8 PTOJMPR TXL 7 50
SB550
550. BK 0.8 PTOJMPR TXL 7 50
550. BK 0.8 PTOJMPR TXL 7 50
REM_TACH_GND Page 1
15326868 16M GT150SLD PTOJMPR
D J169
D P169
16F GT150SLD ENG 15326863
550 PTO_LOAD_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist-9
REM_LOAD_CNTRL_SW Page 1
2561. WH 0.8 PTOJMPR TXL 7 50
BA2561
Blunt Cut
Y2
GND
REM LD CNTRL
SW-NO
Switch-Rem Load Cntrl
900_sw_no
UPC FNA 001
TBD
Y1
Blunt Cut
BA2522
2522. YE 0.8 PTOJMPR TXL 7 50
SB2522
2522. YE 0.8 PTOJMPR TXL 7 50
15326868 16M GT150SLD PTOJMPR
G J169
G P169
16F GT150SLD ENG 15326863
2522. YE 0.8 ENG TXL 7 50
PTO_BATT Page 1
2640. RD/WH 0.8 PTOJMPR TXL 7 50
BA2640
Blunt Cut
Y1
MOM SW-NO
REM START
GND
Switch-Rem Start
900_sw_no_mom
UPC FNA 001
TBD
Y2
Blunt Cut
BA6085
6085. BN/WH 0.8 PTOJMPR TXL 7 50
A
A
6085. BN/WH 0.8 ENG TXL 7 50
2640 PTO_BATT_1 Page 1
BB2640
Blunt Cut
Y1
MOM SW-NO
REM SET1
GND
Switch-Rem_Start_Arming
900_sw_no_mom
UPC FNA 001
TBD
Y2
Blunt Cut
BA979
979. D-BU 0.8 PTOJMPR TXL 7 50
P
P
979. D-BU 0.8 ENG TXL 7 50
SA6142
6142. D-GN/WH 0.8 PTOJMPR TXL 7 50
BA6142
Blunt Cut
Y1
SW-NC
REM SHTDWN
GND
Switch-Rem Shtdwn
900_sw_nc_latch
UPC FNA 001
TBD
Y2
Blunt Cut
BA494
494. L-BU 0.8 PTOJMPR TXL 7 50
B
B
494. L-BU 0.8 ENG TXL 7 50
6142. D-GN/WH 0.8 PTOJMPR TXL 7 50
F
F
6142. D-GN/WH 0.8 ENG TXL 7 50
SB6142
6142 PTO_SHTDWN
Engine Controls
ECM
Page - Dsl-8
6142. D-GN/WH 0.8 ENG TXL 7 50
6142. D-GN/WH 0.8 PTOJMPR TXL 7 50
BB6142
Blunt Cut
Y1
MOM SW-NO
REM SET2
GND
Switch-Rem_Mode_Enable
900_sw_no_mom
UPC FNA 001
TBD
Y2
Blunt Cut
BA978
978. GY 0.8 PTOJMPR TXL 7 50
15326868 16M GT150SLD PTOJMPR
C J169
C P169
16F GT150SLD ENG 15326863
978. GY 0.8 ENG TXL 7 50
46
13
15
31
33
45
HDI
ZN# LOAD FEEDBACK
HDI WUR
ZN# REMOTE ENGINE START
HDI
ZN# REMOTE START ARMING
HDI
ZN# REMOTE ENGINE SHUTDOWN
HSD
R/C
PTO ENGINE SHUTDOWN CONTROL
HDI
ZN# REMOTE MODE ENABLE
Module Power Take Off
Module-Power Take Off
UPC FNA 003
15491306

NOTES

• 1 – REMOTE LOAD CONTROL SWITCH IS OPTIONAL

ARE16379
003
GMT900
GM Proprietary

Monday, October 16, 2006
1:26:39 pm 13
IEC/ESI

Engine Controls: PTO Controls

1_08_eng_pto Panel 3 of 3

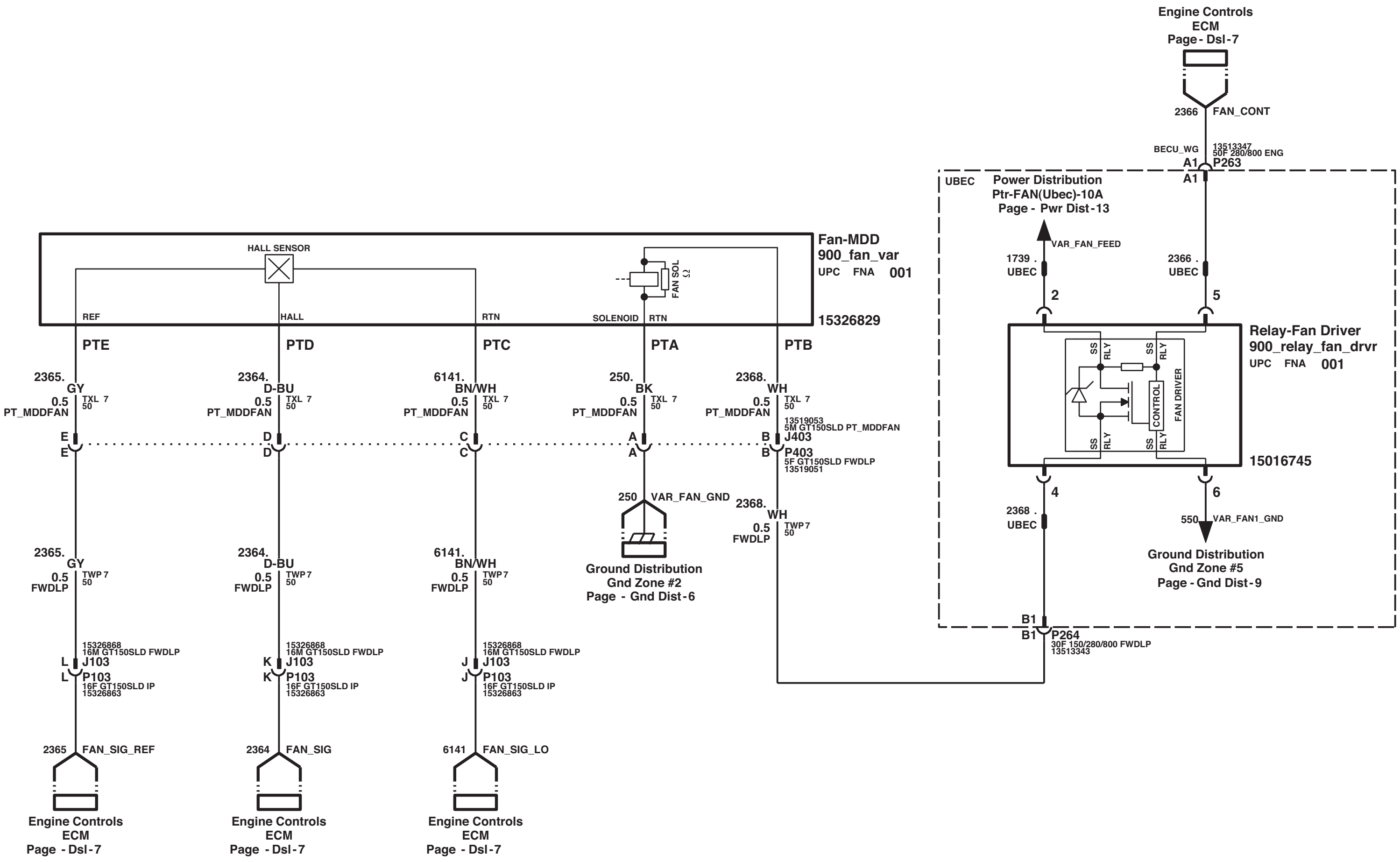
Panel Set: 3

&PTO

2008
GMT900
IVER

System Status: Object Status:

Fan Controls: Belt Drive – Variable Speed


Engine Controls
ECM
Page - Dsl - 7
2366 FAN_CONT
BECU_WG
13513347
50F 280/800 ENG
A1 P263
A1
UBEC
Power Distribution
Ptr-FAN(Ubec)-10A
Page - Pwr Dist - 13
VAR_FAN_FEED
1739 .
UBEC
2366 .
UBEC
2
5
Fan-MDD
900_fan_var
UPC FNA 001
HALL SENSOR
FAN SOL
Ω
REF
HALL
RTN
SOLENOID
RTN
15326829
PTE
PTD
PTC
PTA
PTB
2365.
GY
0.5
TXL 7
50
PT_MDDFAN
2364.
D-BU
0.5
TXL 7
50
PT_MDDFAN
6141.
BN/WH
0.5
TXL 7
50
PT_MDDFAN
250.
BK
0.5
TXL 7
50
PT_MDDFAN
2368.
WH
0.5
TXL 7
50
PT_MDDFAN
13519053
5M GT150SLD PT_MDDFAN
E
E
D
D
C
C
A
A
B J403
B P403
5F GT150SLD FWDLP
13519051
250 VAR_FAN_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
2368.
WH
0.5
TWP 7
50
FWDLP
Relay-Fan Driver
900_relay_fan_drvr
UPC FNA 001
SS
RLY
SS
RLY
CONTROL
FAN DRIVER
SS
RLY
SS
RLY
15016745
4
6
2368 .
UBEC
550 VAR_FAN1_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9
B1
B1 P264
30F 150/280/800 FWDLP
13513343
2365.
GY
0.5
TWP 7
50
FWDLP
2364.
D-BU
0.5
TWP 7
50
FWDLP
6141.
BN/WH
0.5
TWP 7
50
FWDLP
15326868
16M GT150SLD FWDLP
L J103
L P103
16F GT150SLD IP
15326863
15326868
16M GT150SLD FWDLP
K J103
K P103
16F GT150SLD IP
15326863
15326868
16M GT150SLD FWDLP
J J103
J P103
16F GT150SLD IP
15326863
2365 FAN_SIG_REF
2364 FAN_SIG
6141 FAN_SIG_LO
Engine Controls
ECM
Page - Dsl - 7
Engine Controls
ECM
Page - Dsl - 7
Engine Controls
ECM
Page - Dsl - 7

P

ARE16380
003
GMT900
GM Proprietary

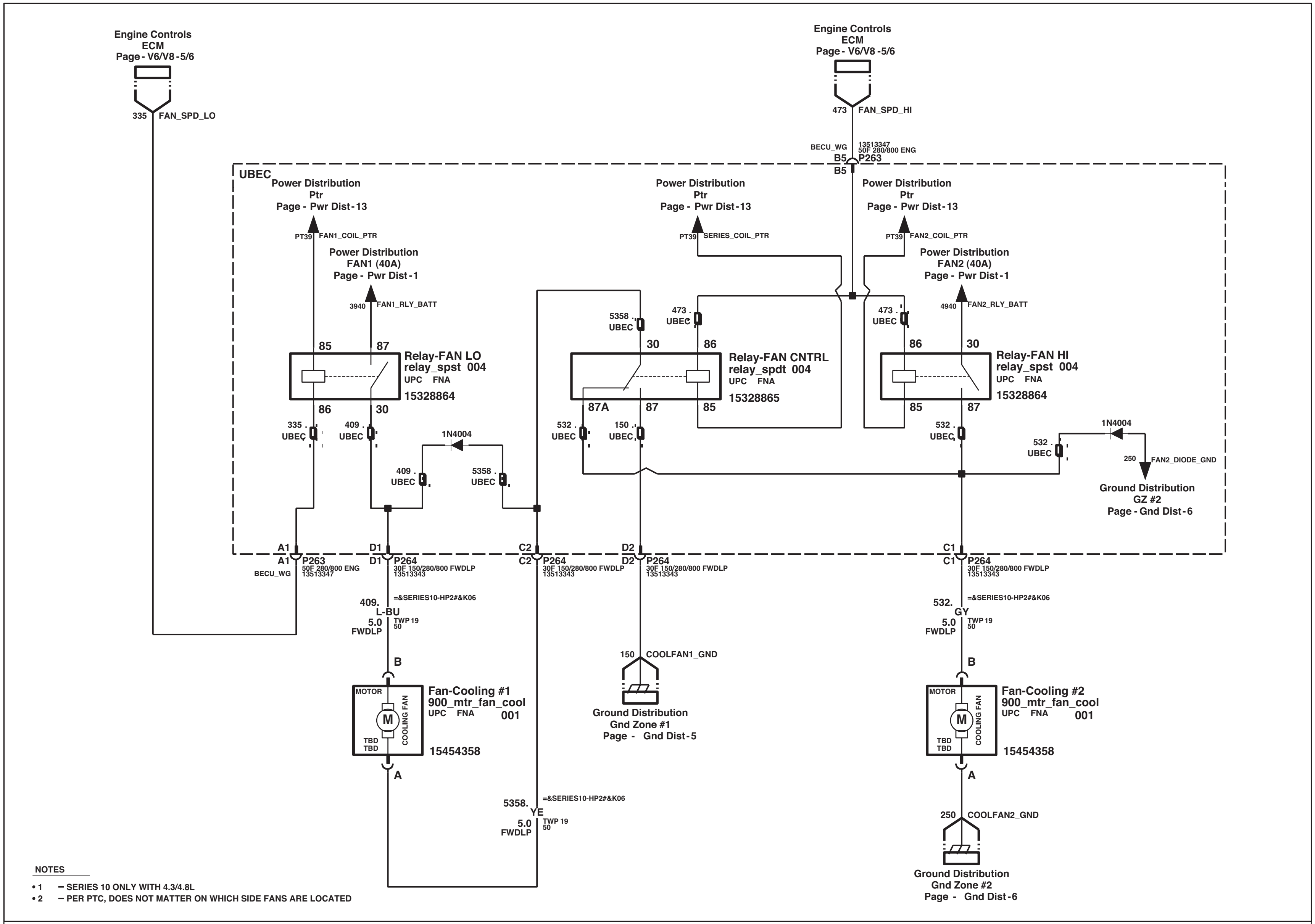
Tuesday, September 26, 2006
7:37:53 am 3
IEC/ESI

Fan Controls: Belt Drive - Variable Speed

1_08_fan_belt_var Panel 1 of 1 Panel Set: 1 &LMM

2008
GMT900
IVER
System Status: Object Status:

Fan Controls: Electric – Dual


Engine Controls
ECM
Page - V6/V8 - 5/6
335 FAN_SPD_LO
Engine Controls
ECM
Page - V6/V8 - 5/6
473 FAN_SPD_HI
BECU_WG
13513347
50F 280/800 ENG
B5 P263
B5
UBEC
Power Distribution
Ptr
Page - Pwr Dist - 13
PT39 FAN1_COIL_PTR
Power Distribution
FAN1 (40A)
Page - Pwr Dist - 1
3940 FAN1_RLY_BATT
Power Distribution
Ptr
Page - Pwr Dist - 13
PT39 SERIES_COIL_PTR
Power Distribution
Ptr
Page - Pwr Dist - 13
PT39 FAN2_COIL_PTR
Power Distribution
FAN2 (40A)
Page - Pwr Dist - 1
4940 FAN2_RLY_BATT
5358 UBEC
473 UBEC
473 UBEC
85
87
Relay-FAN LO
relay_spst 004
UPC FNA
15328864
86
30
30
86
Relay-FAN CNTRL
relay_spdt 004
UPC FNA
15328865
87A
87
85
86
30
Relay-FAN HI
relay_spst 004
UPC FNA
15328864
85
87
335 UBEC
409 UBEC
1N4004
409 UBEC
5358 UBEC
532 UBEC
150 UBEC
532 UBEC
1N4004
532 UBEC
250 FAN2_DIODE_GND
Ground Distribution
GZ #2
Page - Gnd Dist - 6
A1
A1 P263
50F 280/800 ENG
13513347
BECU_WG
D1
D1 P264
30F 150/280/800 FWDLP
13513343
C2
C2 P264
30F 150/280/800 FWDLP
13513343
D2
D2 P264
30F 150/280/800 FWDLP
13513343
C1
C1 P264
30F 150/280/800 FWDLP
13513343
409.
L-BU
5.0
FWDLP
=&SERIES10-HP2#&K06
TWP 19
50
532.
GY
5.0
FWDLP
=&SERIES10-HP2#&K06
TWP 19
50
150 COOLFAN1_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
B
MOTOR
M
COOLING FAN
TBD
TBD
Fan-Cooling #1
900_mtr_fan_cool
UPC FNA
001
15454358
A
B
MOTOR
M
COOLING FAN
TBD
TBD
Fan-Cooling #2
900_mtr_fan_cool
UPC FNA
001
15454358
A
5358.
YE
5.0
FWDLP
=&SERIES10-HP2#&K06
TWP 19
50
250 COOLFAN2_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6

NOTES

- 1 – SERIES 10 ONLY WITH 4.3/4.8L
- 2 – PER PTC, DOES NOT MATTER ON WHICH SIDE FANS ARE LOCATED

ARE16381
003
GMT900
GM Proprietary

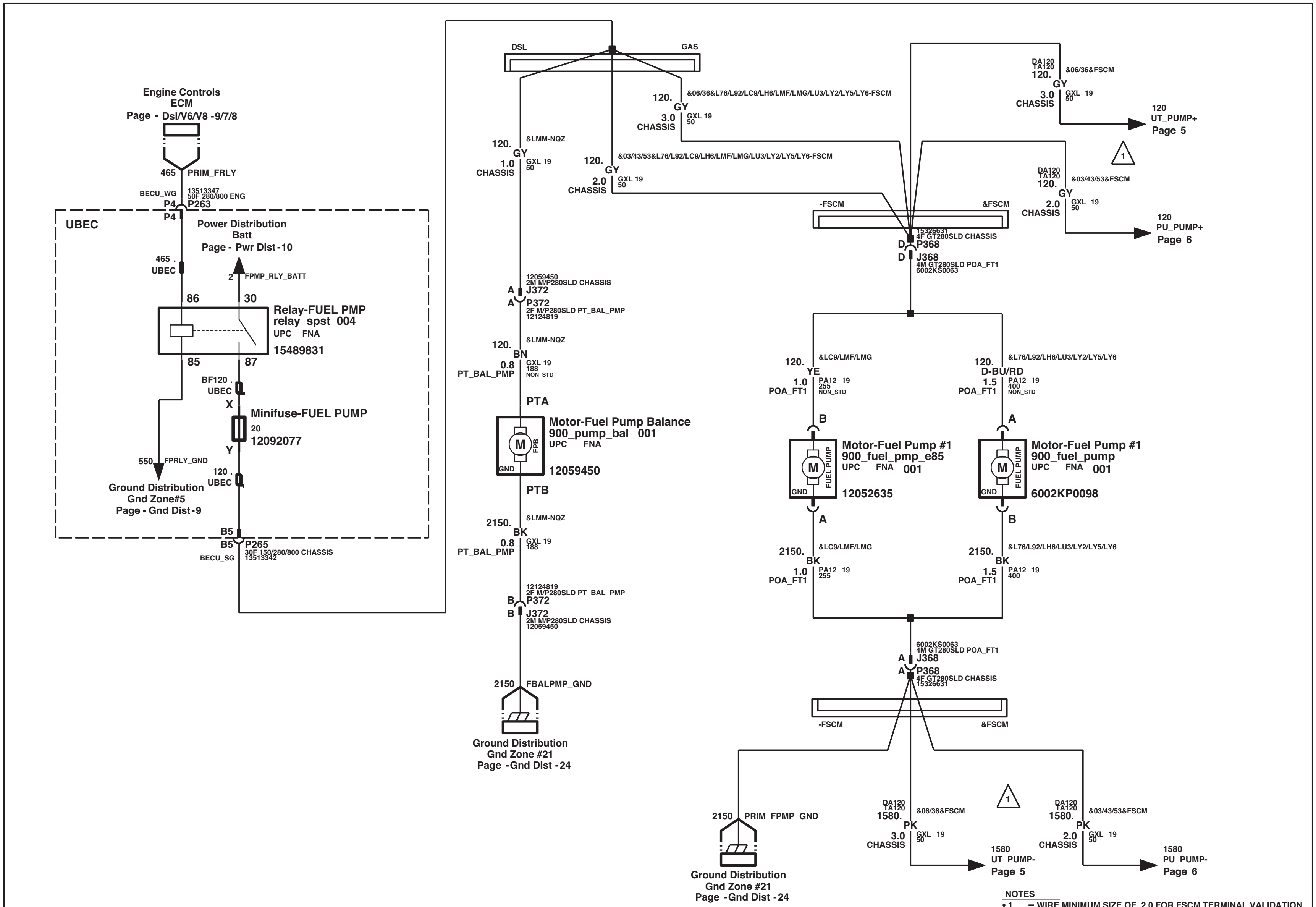
Friday, August 11, 2006
2:13:24 pm 5
IEC/ESI

Fan Controls: Electric - Dual

1_08_fan_elec_dual_bec Panel 1 of 1 Panel Set: 1 &SERIES10-HP2

2008
GMT900
IVER
System Status: Object Status:

Fuel Systems


Engine Controls
ECM
Page - Dsl/V6/V8 -9/7/8
465 PRIM_FRLY
BECU_WG
13513347
50F 280/800 ENG
P4 P263
P4
UBEC
Power Distribution
Batt
Page - Pwr Dist-10
465 .
UBEC
2 FPMP_RLY_BATT
86
30
Relay-FUEL PMP
relay_spst 004
UPC FNA
15489831
85
87
BF120 .
UBEC
X
Minifuse-FUEL PUMP
20
12092077
Y
550 FPRLY_GND
120 .
UBEC
Ground Distribution
Gnd Zone#5
Page - Gnd Dist-9
B5
B5 P265
BECU_SG
30F 150/280/800 CHASSIS
13513342
DSL
GAS
120. GY &06/36&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6-FSCM
3.0 CHASSIS GXL 19 50
120. GY &LMM-NQZ
1.0 CHASSIS GXL 19 50
120. GY &03/43/53&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6-FSCM
2.0 CHASSIS GXL 19 50
12059450
2M M/P280SLD CHASSIS
A J372
A P372
2F M/P280SLD PT_BAL_PMP
12124819
120. BN &LMM-NQZ
0.8 PT_BAL_PMP GXL 19 188 NON_STD
PTA
Motor-Fuel Pump Balance
900_pump_bal 001
UPC FNA
M
FPB
GND
12059450
PTB
2150. BK &LMM-NQZ
0.8 PT_BAL_PMP GXL 19 188
12124819
2F M/P280SLD PT_BAL_PMP
B P372
B J372
2M M/P280SLD CHASSIS
12059450
2150 FBALPMP_GND
Ground Distribution
Gnd Zone #21
Page -Gnd Dist-24
DA120
TA120
120. GY &06/36&FSCM
3.0 CHASSIS GXL 19 50
120
UT_PUMP+
Page 5
1
DA120
TA120
120. GY &03/43/53&FSCM
2.0 CHASSIS GXL 19 50
120
PU_PUMP+
Page 6
-FSCM
&FSCM
15326631
4F GT280SLD CHASSIS
D P368
D J368
4M GT280SLD POA_FT1
6002KS0063
120. YE &LC9/LMF/LMG
1.0 POA_FT1 PA12 19 255 NON_STD
B
Motor-Fuel Pump #1
900_fuel_pmp_e85
UPC FNA 001
M
FUEL PUMP
GND
12052635
A
2150. BK &LC9/LMF/LMG
1.0 POA_FT1 PA12 19 255
120. D-BU/RD &L76/L92/LH6/LU3/LY2/LY5/LY6
1.5 POA_FT1 PA12 19 400 NON_STD
A
Motor-Fuel Pump #1
900_fuel_pump
UPC FNA 001
M
FUEL PUMP
GND
6002KP0098
B
2150. BK &L76/L92/LH6/LU3/LY2/LY5/LY6
1.5 POA_FT1 PA12 19 400
6002KS0063
4M GT280SLD POA_FT1
A J368
A P368
4F GT280SLD CHASSIS
15326631
-FSCM
&FSCM
2150 PRIM_FPMP_GND
Ground Distribution
Gnd Zone #21
Page -Gnd Dist-24
DA120
TA120
1580. PK &06/36&FSCM
3.0 CHASSIS GXL 19 50
1580
UT_PUMP-
Page 5
1
DA120
TA120
1580. PK &03/43/53&FSCM
2.0 CHASSIS GXL 19 50
1580
PU_PUMP-
Page 6

NOTES
- 1 – WIRE MINIMUM SIZE OF 2.0 FOR FSCM TERMINAL VALIDATION

ARE16383
003
GMT900
GM Proprietary

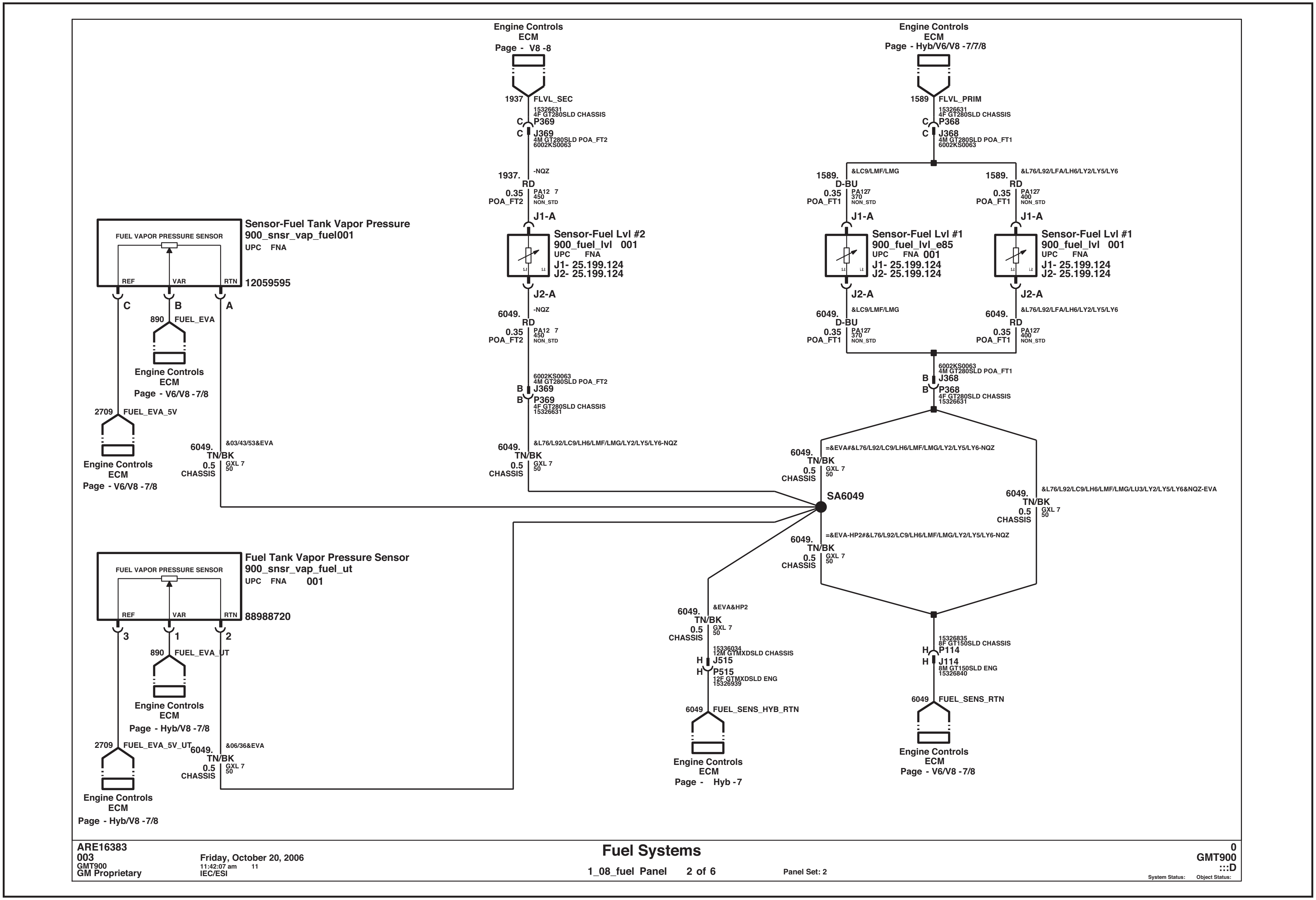
Friday, October 20, 2006
11:42:07 am 11
IEC/ESI

Fuel Systems

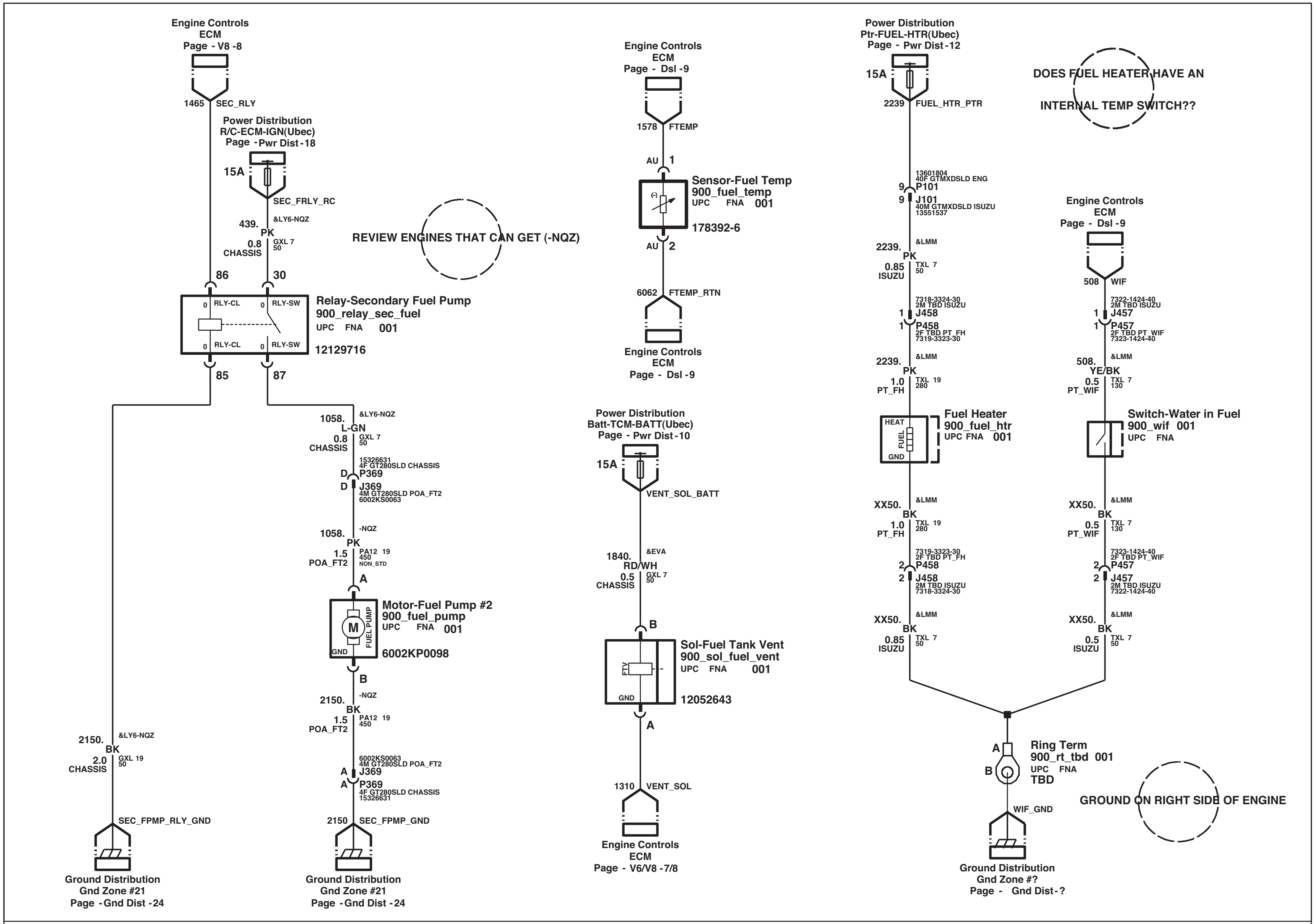
1_08_fuel Panel 1 of 6

0
GMT900
:::D
System Status: Object Status:

Fuel Systems


Engine Controls
ECM
Page - V8 -8
1937 FLVL_SEC
15326631
4F GT280SLD CHASSIS
C P369
C J369
4M GT280SLD POA_FT2
6002KS0063
1937. -NQZ
RD
0.35 PA12 7
POA_FT2 450
NON_STD
J1-A
Sensor-Fuel Lvl #2
900_fuel_lvl 001
UPC FNA
J1- 25.199.124
J2- 25.199.124
J2-A
6049. -NQZ
RD
0.35 PA12 7
POA_FT2 450
NON_STD
6002KS0063
4M GT280SLD POA_FT2
B J369
B P369
4F GT280SLD CHASSIS
15326631
6049. &L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6-NQZ
TN/BK
0.5 GXL 7
CHASSIS 50
Engine Controls
ECM
Page - Hyb/V6/V8 -7/7/8
1589 FLVL_PRIM
15326631
4F GT280SLD CHASSIS
C P368
C J368
4M GT280SLD POA_FT1
6002KS0063
1589. &LC9/LMF/LMG
D-BU
0.35 PA127
POA_FT1 370
NON_STD
J1-A
Sensor-Fuel Lvl #1
900_fuel_lvl_e85
UPC FNA 001
J1- 25.199.124
J2- 25.199.124
J2-A
6049. &LC9/LMF/LMG
D-BU
0.35 PA127
POA_FT1 370
NON_STD
1589. &L76/L92/LFA/LH6/LY2/LY5/LY6
RD
0.35 PA127
POA_FT1 400
NON_STD
J1-A
Sensor-Fuel Lvl #1
900_fuel_lvl 001
UPC FNA
J1- 25.199.124
J2- 25.199.124
J2-A
6049. &L76/L92/LFA/LH6/LY2/LY5/LY6
RD
0.35 PA127
POA_FT1 400
NON_STD
6002KS0063
4M GT280SLD POA_FT1
B J368
B P368
4F GT280SLD CHASSIS
15326631
6049. =&EVA#&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6-NQZ
TN/BK
0.5 GXL 7
CHASSIS 50
SA6049
6049. &L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6&NQZ-EVA
TN/BK
0.5 GXL 7
CHASSIS 50
6049. =&EVA-HP2#&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6-NQZ
TN/BK
0.5 GXL 7
CHASSIS 50
FUEL VAPOR PRESSURE SENSOR
REF VAR RTN
Sensor-Fuel Tank Vapor Pressure
900_snsr_vap_fuel001
UPC FNA
12059595
C B A
890 FUEL_EVA
Engine Controls
ECM
Page - V6/V8 -7/8
2709 FUEL_EVA_5V
Engine Controls
ECM
Page - V6/V8 -7/8
6049. &03/43/53&EVA
TN/BK
0.5 GXL 7
CHASSIS 50
FUEL VAPOR PRESSURE SENSOR
REF VAR RTN
Fuel Tank Vapor Pressure Sensor
900_snsr_vap_fuel_ut
UPC FNA 001
88988720
3 1 2
890 FUEL_EVA_UT
Engine Controls
ECM
Page - Hyb/V8 -7/8
2709 FUEL_EVA_5V_UT
6049. &06/36&EVA
TN/BK
0.5 GXL 7
CHASSIS 50
Engine Controls
ECM
Page - Hyb/V8 -7/8
6049. &EVA&HP2
TN/BK
0.5 GXL 7
CHASSIS 50
15336034
12M GTMXDSLD CHASSIS
H J515
H P515
12F GTMXDSLD ENG
15326939
6049 FUEL_SENS_HYB_RTN
Engine Controls
ECM
Page - Hyb -7
15326835
8F GT150SLD CHASSIS
H P114
H J114
8M GT150SLD ENG
15326840
6049 FUEL_SENS_RTN
Engine Controls
ECM
Page - V6/V8 -7/8
ARE16383
003
GMT900
GM Proprietary
Friday, October 20, 2006
11:42:07 am 11
IEC/ESI
Fuel Systems
1_08_fuel Panel 2 of 6
Panel Set: 2
0
GMT900
:::D
System Status: Object Status:

Fuel Systems


Engine Controls
ECM
Page - V8 -8
1465 SEC_RLY
Power Distribution
R/C-ECM-IGN(Ubec)
Page -Pwr Dist-18
15A
SEC_FRLY_RC
439. &LY6-NQZ
PK
0.8 GXL 7 50
CHASSIS
86
30
RLY-CL
RLY-SW
Relay-Secondary Fuel Pump
900_relay_sec_fuel
UPC FNA 001
12129716
85
87
REVIEW ENGINES THAT CAN GET (-NQZ)
1058. &LY6-NQZ
L-GN
0.8 GXL 7 50
CHASSIS
15326631
4F GT280SLD CHASSIS
D P369
D J369
4M GT280SLD POA_FT2
6002KS0063
1058. -NQZ
PK
1.5 PA12 19 450 NON_STD
POA_FT2
A
Motor-Fuel Pump #2
900_fuel_pump
UPC FNA 001
M
FUEL PUMP
GND
6002KP0098
B
2150. -NQZ
BK
1.5 PA12 19 450
POA_FT2
6002KS0063
4M GT280SLD POA_FT2
A J369
A P369
4F GT280SLD CHASSIS
15326631
2150 SEC_FPMP_GND
2150. &LY6-NQZ
BK
2.0 GXL 19 50
CHASSIS
SEC_FPMP_RLY_GND
Ground Distribution
Gnd Zone #21
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Ground Distribution
Gnd Zone #21
Page -Gnd Dist -24
Engine Controls
ECM
Page - Dsl -9
1578 FTEMP
AU 1
Sensor-Fuel Temp
900_fuel_temp
UPC FNA 001
178392-6
AU 2
6062 FTEMP_RTN
Engine Controls
ECM
Page - Dsl -9
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
VENT_SOL_BATT
1840. &EVA
RD/WH
0.5 GXL 7 50
CHASSIS
B
Sol-Fuel Tank Vent
900_sol_fuel_vent
UPC FNA 001
FTV
GND
12052643
A
1310 VENT_SOL
Engine Controls
ECM
Page - V6/V8 -7/8
Power Distribution
Ptr-FUEL-HTR(Ubec)
Page - Pwr Dist-12
15A
2239 FUEL_HTR_PTR
DOES FUEL HEATER HAVE AN
INTERNAL TEMP SWITCH??
13601804
40F GTMXDSLD ENG
9 P101
9 J101
40M GTMXDSLD ISUZU
13551537
2239. &LMM
PK
0.85 TXL 7 50
ISUZU
7318-3324-30
2M TBD ISUZU
1 J458
1 P458
2F TBD PT_FH
7319-3323-30
2239. &LMM
PK
1.0 TXL 19 280
PT_FH
Fuel Heater
900_fuel_htr
UPC FNA 001
HEAT
FUEL
GND
XX50. &LMM
BK
1.0 TXL 19 280
PT_FH
7319-3323-30
2F TBD PT_FH
2 P458
2 J458
2M TBD ISUZU
7318-3324-30
XX50. &LMM
BK
0.85 TXL 7 50
ISUZU
Engine Controls
ECM
Page - Dsl -9
508 WIF
7322-1424-40
2M TBD ISUZU
1 J457
1 P457
2F TBD PT_WIF
7323-1424-40
508. &LMM
YE/BK
0.5 TXL 7 130
PT_WIF
Switch-Water in Fuel
900_wif 001
UPC FNA
XX50. &LMM
BK
0.5 TXL 7 130
PT_WIF
7323-1424-40
2F TBD PT_WIF
2 P457
2 J457
2M TBD ISUZU
7322-1424-40
XX50. &LMM
BK
0.5 TXL 7 50
ISUZU
A
B
Ring Term
900_rt_tbd 001
UPC FNA
TBD
WIF_GND
GROUND ON RIGHT SIDE OF ENGINE
Ground Distribution
Gnd Zone #?
Page - Gnd Dist-?

ARE16383
003
GMT900
GM Proprietary

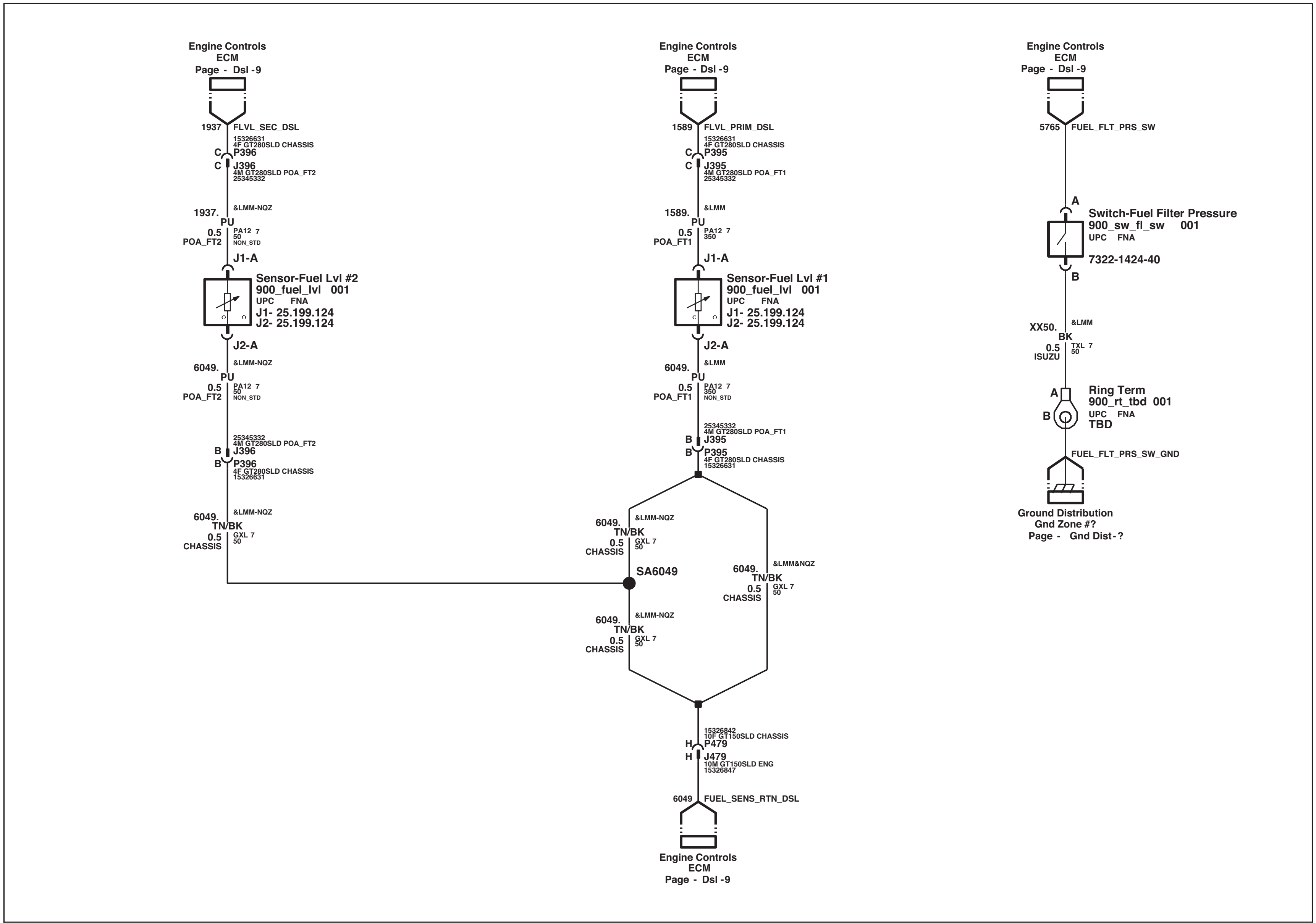
Friday, October 20, 2006
11:42:07 am 11
IEC/ESI

Fuel Systems

1_08_fuel Panel 3 of 6

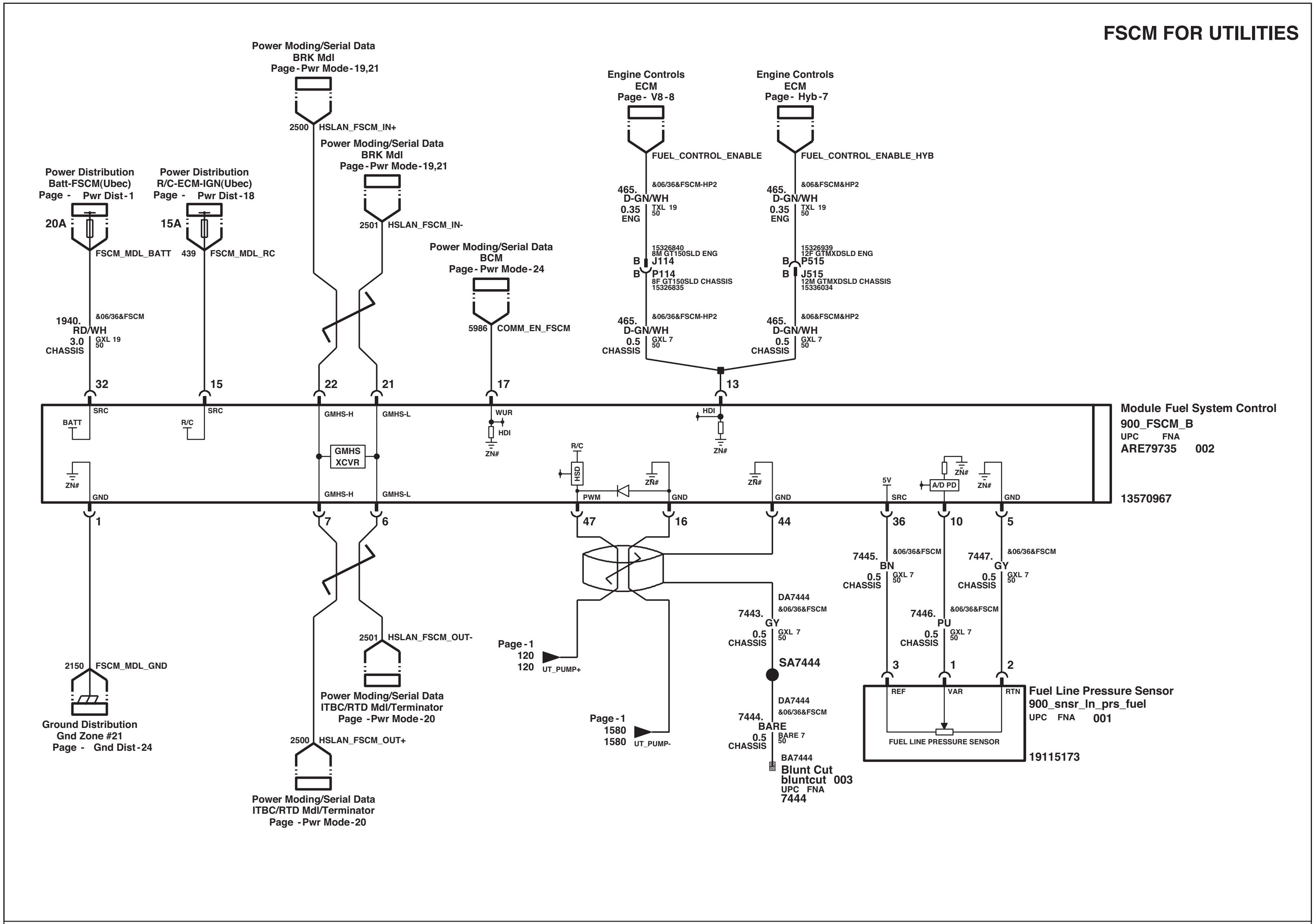
0
GMT900
:::D
System Status: Object Status:

Fuel Systems


Engine Controls
ECM
Page - Dsl -9
1937
FLVL_SEC_DSL
15326631
4F GT280SLD CHASSIS
C
P396
C
J396
4M GT280SLD POA_FT2
25345332
1937.
&LMM-NQZ
PU
0.5
POA_FT2
PA12 7
50
NON_STD
J1-A
Sensor-Fuel Lvl #2
900_fuel_lvl 001
UPC FNA
J1- 25.199.124
J2- 25.199.124
J2-A
6049.
&LMM-NQZ
PU
0.5
POA_FT2
PA12 7
50
NON_STD
25345332
4M GT280SLD POA_FT2
B
J396
B
P396
4F GT280SLD CHASSIS
15326631
6049.
&LMM-NQZ
TN/BK
0.5
CHASSIS
GXL 7
50
Engine Controls
ECM
Page - Dsl -9
1589
FLVL_PRIM_DSL
15326631
4F GT280SLD CHASSIS
C
P395
C
J395
4M GT280SLD POA_FT1
25345332
1589.
&LMM
PU
0.5
POA_FT1
PA12 7
350
J1-A
Sensor-Fuel Lvl #1
900_fuel_lvl 001
UPC FNA
J1- 25.199.124
J2- 25.199.124
J2-A
6049.
&LMM
PU
0.5
POA_FT1
PA12 7
350
NON_STD
25345332
4M GT280SLD POA_FT1
B
J395
B
P395
4F GT280SLD CHASSIS
15326631
6049.
&LMM-NQZ
TN/BK
0.5
CHASSIS
GXL 7
50
SA6049
6049.
&LMM&NQZ
TN/BK
0.5
CHASSIS
GXL 7
50
6049.
&LMM-NQZ
TN/BK
0.5
CHASSIS
GXL 7
50
15326842
10F GT150SLD CHASSIS
H
P479
H
J479
10M GT150SLD ENG
15326847
6049
FUEL_SENS_RTN_DSL
Engine Controls
ECM
Page - Dsl -9
Engine Controls
ECM
Page - Dsl -9
5765
FUEL_FLT_PRS_SW
A
Switch-Fuel Filter Pressure
900_sw_fl_sw 001
UPC FNA
7322-1424-40
B
XX50.
&LMM
BK
0.5
ISUZU
TXL 7
50
A
Ring Term
900_rt_tbd 001
B
UPC FNA
TBD
FUEL_FLT_PRS_SW_GND
Ground Distribution
Gnd Zone #?
Page - Gnd Dist- ?

ARE16383 003 GMT900 GM Proprietary	Friday, October 20, 2006 11:42:07 am 11 IEC/ESI	**Fuel Systems** 1_08_fuel Panel 4 of 6	0 GMT900 :::D System Status: Object Status:

Fuel Systems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Power Moding/Serial Data
BRK Mdl
Page - Pwr Mode - 19,21
2500 HSLAN_FSCM_IN+
2501 HSLAN_FSCM_IN-
Power Distribution
Batt-FSCM(Ubec)
Page - Pwr Dist - 1
20A
FSCM_MDL_BATT
Power Distribution
R/C-ECM-IGN(Ubec)
Page - Pwr Dist - 18
15A
439 FSCM_MDL_RC
1940.
RD/WH
3.0
CHASSIS
&06/36&FSCM
GXL 19
50
Power Moding/Serial Data
BCM
Page - Pwr Mode - 24
5986 COMM_EN_FSCM
Engine Controls
ECM
Page - V8 - 8
FUEL_CONTROL_ENABLE
Engine Controls
ECM
Page - Hyb - 7
FUEL_CONTROL_ENABLE_HYB
465.
D-GN/WH
0.35
ENG
&06/36&FSCM-HP2
&06&FSCM&HP2
TXL 19
50
15326840
8M GT150SLD ENG
B J114
B P114
8F GT150SLD CHASSIS
15326835
15326939
12F GTMXDSLD ENG
B P515
B J515
12M GTMXDSLD CHASSIS
15336034
0.5
CHASSIS
GXL 7
50
32
15
22
21
17
13
SRC
BATT
R/C
GMHS-H
GMHS-L
GMHS XCVR
WUR
HDI
ZN#
HSD
PWM
GND
5V
A/D PD
Module Fuel System Control
900_FSCM_B
UPC FNA
ARE79735 002
13570967
1
7
6
47
16
44
36
10
5
2150 FSCM_MDL_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist - 24
2501 HSLAN_FSCM_OUT-
Power Moding/Serial Data
ITBC/RTD Mdl/Terminator
Page - Pwr Mode - 20
2500 HSLAN_FSCM_OUT+
Page - 1
120
120 UT_PUMP+
Page - 1
1580
1580 UT_PUMP-
DA7444
7443.
GY
0.5
CHASSIS
SA7444
7444.
BARE
BARE 7
BA7444
Blunt Cut
bluntcut 003
UPC FNA
7444
7445.
BN
7447.
GY
7446.
PU
3
1
2
REF
VAR
RTN
FUEL LINE PRESSURE SENSOR
Fuel Line Pressure Sensor
900_snsr_ln_prs_fuel
UPC FNA 001
19115173

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Fuel Systems

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0
GMT900
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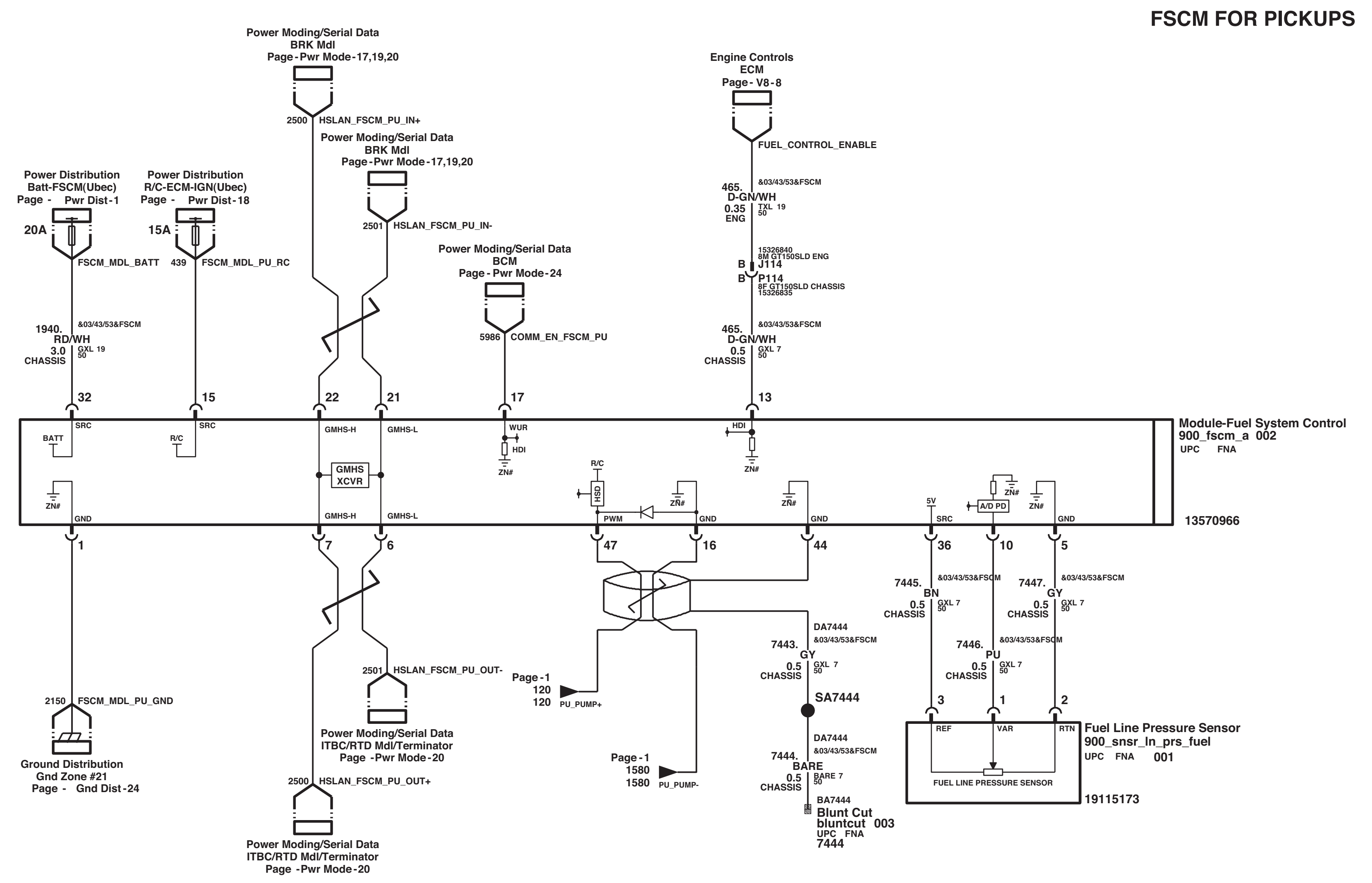
System Status: Object Status:

Fuel Systems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Page - Pwr Mode - 17,19,20
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Power Moding/Serial Data
BRK Mdl
Page - Pwr Mode - 17,19,20
2501 HSLAN_FSCM_PU_IN-
Power Distribution
Batt-FSCM(Ubec)
Page - Pwr Dist - 1
20A
FSCM_MDL_BATT
Power Distribution
R/C-ECM-IGN(Ubec)
Page - Pwr Dist - 18
15A
439 FSCM_MDL_PU_RC
Power Moding/Serial Data
BCM
Page - Pwr Mode - 24
5986 COMM_EN_FSCM_PU
Engine Controls
ECM
Page - V8 - 8
FUEL_CONTROL_ENABLE
&03/43/53&FSCM
465.
D-GN/WH
0.35
ENG
TXL 19
50
15326840
8M GT150SLD ENG
B J114
B P114
8F GT150SLD CHASSIS
15326835
&03/43/53&FSCM
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D-GN/WH
0.5
CHASSIS
GXL 7
50
1940.
RD/WH
3.0
CHASSIS
&03/43/53&FSCM
GXL 19
50
32
15
22
21
17
13
SRC
BATT
SRC
R/C
GMHS-H
GMHS-L
WUR
HDI
ZN#
HDI
HDI
ZN#
GMHS
XCVR
R/C
HSD
ZN#
ZN#
ZN#
5V
A/D PD
ZN#
ZN#
GND
GMHS-H
GMHS-L
PWM
GND
GND
SRC
GND
Module-Fuel System Control
900_fscm_a 002
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1
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6
47
16
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36
10
5
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BN
0.5
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&03/43/53&FSCM
GXL 7
50
7447.
GY
0.5
CHASSIS
&03/43/53&FSCM
GXL 7
50
DA7444
7443.
GY
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CHASSIS
&03/43/53&FSCM
GXL 7
50
SA7444
DA7444
7444.
BARE
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CHASSIS
&03/43/53&FSCM
BARE 7
50
BA7444
Blunt Cut
bluntcut 003
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CHASSIS
&03/43/53&FSCM
GXL 7
50
3
1
2
REF
VAR
RTN
FUEL LINE PRESSURE SENSOR
Fuel Line Pressure Sensor
900_snsr_ln_prs_fuel
UPC FNA 001
19115173
Page - 1
120
120
PU_PUMP+
Page - 1
1580
1580
PU_PUMP-
2501 HSLAN_FSCM_PU_OUT-
Power Moding/Serial Data
ITBC/RTD Mdl/Terminator
Page - Pwr Mode - 20
2500 HSLAN_FSCM_PU_OUT+
Power Moding/Serial Data
ITBC/RTD Mdl/Terminator
Page - Pwr Mode - 20
2150 FSCM_MDL_PU_GND
Ground Distribution
Gnd Zone #21
Page - Gnd Dist - 24

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Fuel Systems

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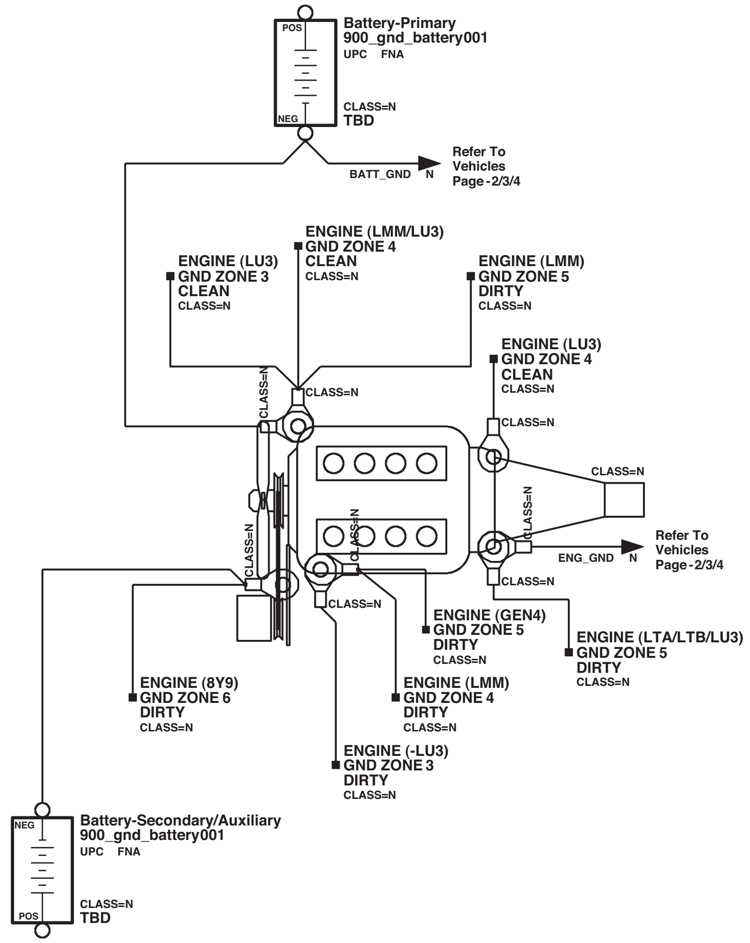
0
GMT900
:::D
System Status: Object Status:

Ground Distribution


Battery-Primary
900_gnd_battery001
UPC FNA
CLASS=N
TBD
POS
NEG
BATT_GND N
Refer To Vehicles Page-2/3/4
ENGINE (LMM/LU3) GND ZONE 4 CLEAN CLASS=N
ENGINE (LU3) GND ZONE 3 CLEAN CLASS=N
ENGINE (LMM) GND ZONE 5 DIRTY CLASS=N
ENGINE (LU3) GND ZONE 4 CLEAN CLASS=N
CLASS=N
ENG_GND N
Refer To Vehicles Page-2/3/4
ENGINE (GEN4) GND ZONE 5 DIRTY CLASS=N
ENGINE (LTA/LTB/LU3) GND ZONE 5 DIRTY CLASS=N
ENGINE (8Y9) GND ZONE 6 DIRTY CLASS=N
ENGINE (LMM) GND ZONE 4 DIRTY CLASS=N
ENGINE (-LU3) GND ZONE 3 DIRTY CLASS=N
Battery-Secondary/Auxiliary
900_gnd_battery001
UPC FNA
CLASS=N
TBD
NEG
POS

NOTES

- 1 – APPROXIMATE LOCATIONS SHOWN.
- 2 – "CLASS=N" IS AN IVED CONVENTION & SHOULDN'T BE CONFUSED AS DESIGN.

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Ground Distribution
1_08_GND_DIST Panel 1 of 30

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GMT900
MVBS
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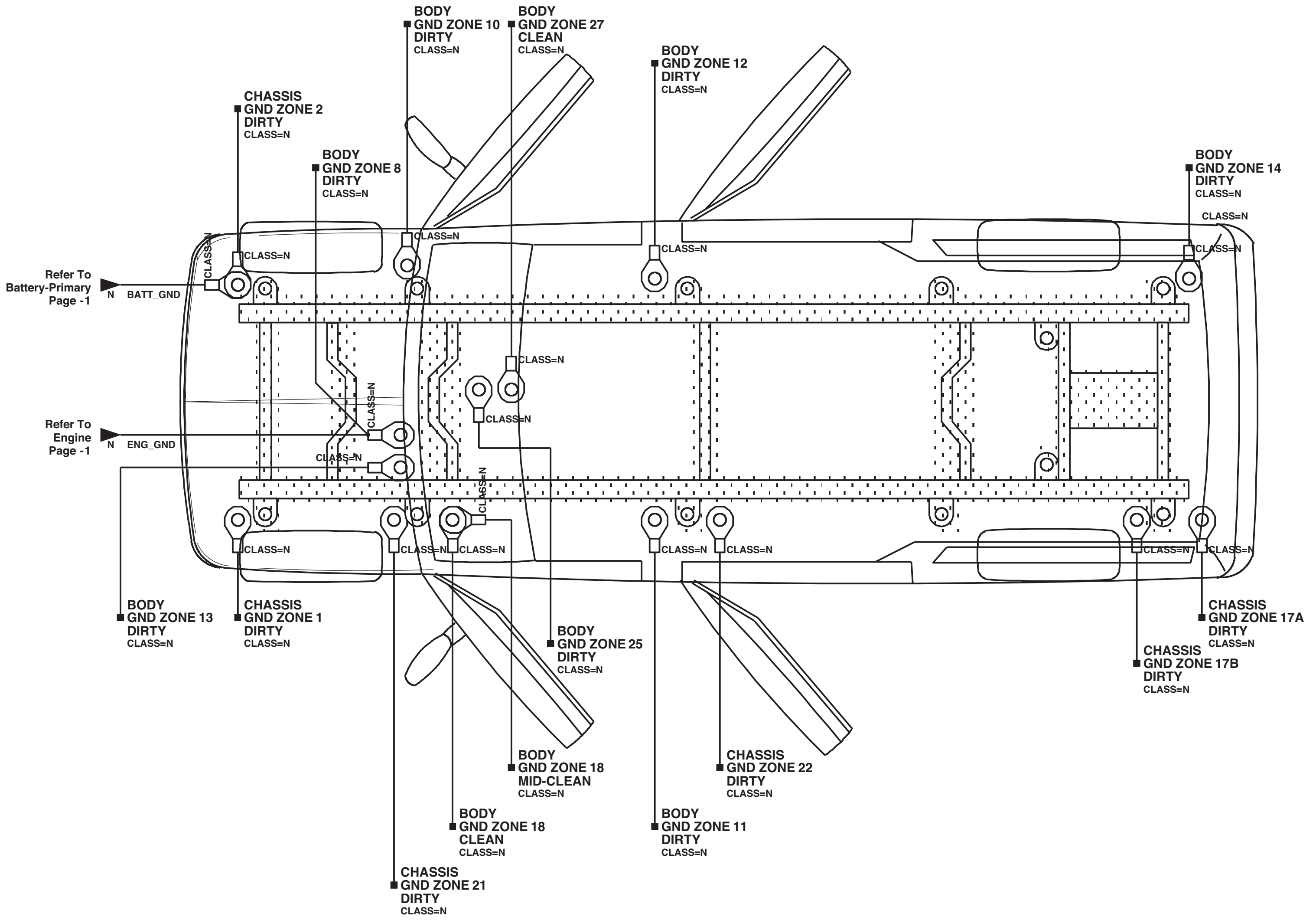
Ground Distribution


BODY
GND ZONE 10
DIRTY
CLASS=N
BODY
GND ZONE 27
CLEAN
CLASS=N
BODY
GND ZONE 12
DIRTY
CLASS=N
CHASSIS
GND ZONE 2
DIRTY
CLASS=N
BODY
GND ZONE 8
DIRTY
CLASS=N
BODY
GND ZONE 14
DIRTY
CLASS=N
Refer To
Battery-Primary
Page -1
N BATT_GND
Refer To
Engine
Page -1
N ENG_GND
CLASS=N
BODY
GND ZONE 13
DIRTY
CLASS=N
CHASSIS
GND ZONE 1
DIRTY
CLASS=N
BODY
GND ZONE 25
DIRTY
CLASS=N
CHASSIS
GND ZONE 17A
DIRTY
CLASS=N
CHASSIS
GND ZONE 17B
DIRTY
CLASS=N
BODY
GND ZONE 18
MID-CLEAN
CLASS=N
CHASSIS
GND ZONE 22
DIRTY
CLASS=N
BODY
GND ZONE 18
CLEAN
CLASS=N
BODY
GND ZONE 11
DIRTY
CLASS=N
CHASSIS
GND ZONE 21
DIRTY
CLASS=N

NOTES

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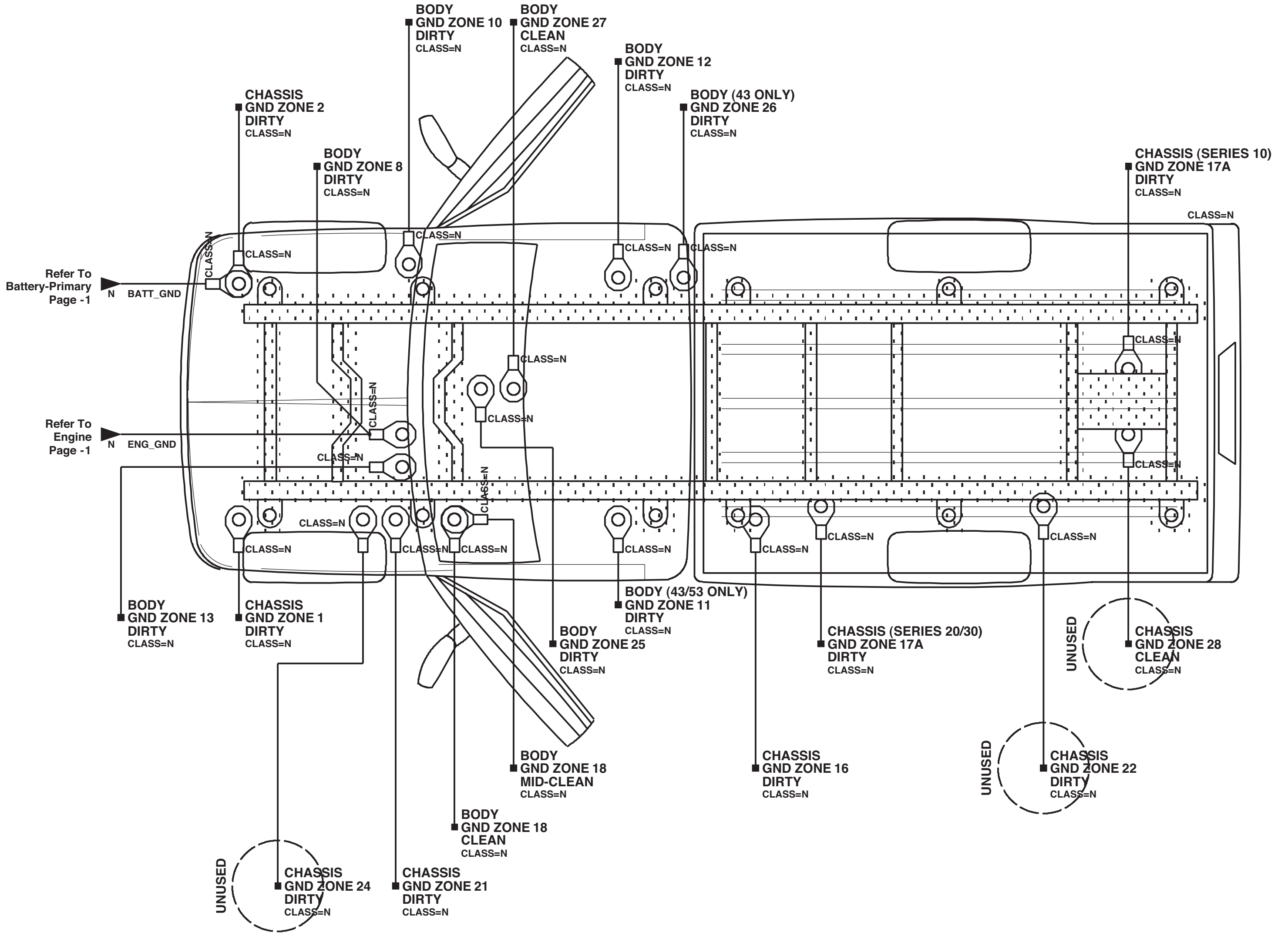
Ground Distribution

1_08_GND_DIST Panel 2 of 30

2008
GMT900
MVBS
System Status: Object Status:

Ground Distribution


BODY
GND ZONE 10
DIRTY
CLASS=N
BODY
GND ZONE 27
CLEAN
CLASS=N
BODY
GND ZONE 12
DIRTY
CLASS=N
BODY (43 ONLY)
GND ZONE 26
DIRTY
CLASS=N
CHASSIS
GND ZONE 2
DIRTY
CLASS=N
BODY
GND ZONE 8
DIRTY
CLASS=N
CHASSIS (SERIES 10)
GND ZONE 17A
DIRTY
CLASS=N
Refer To
Battery-Primary
Page -1
N BATT_GND
Refer To
Engine
Page -1
N ENG_GND
CLASS=N
BODY
GND ZONE 13
DIRTY
CLASS=N
CHASSIS
GND ZONE 1
DIRTY
CLASS=N
BODY (43/53 ONLY)
GND ZONE 11
DIRTY
CLASS=N
BODY
GND ZONE 25
DIRTY
CLASS=N
CHASSIS (SERIES 20/30)
GND ZONE 17A
DIRTY
CLASS=N
UNUSED
CHASSIS
GND ZONE 28
CLEAN
CLASS=N
BODY
GND ZONE 18
MID-CLEAN
CLASS=N
CHASSIS
GND ZONE 16
DIRTY
CLASS=N
UNUSED
CHASSIS
GND ZONE 22
DIRTY
CLASS=N
BODY
GND ZONE 18
CLEAN
CLASS=N
UNUSED
CHASSIS
GND ZONE 24
DIRTY
CLASS=N
CHASSIS
GND ZONE 21
DIRTY
CLASS=N

NOTES

- 1 – APPROXIMATE LOCATIONS SHOWN.
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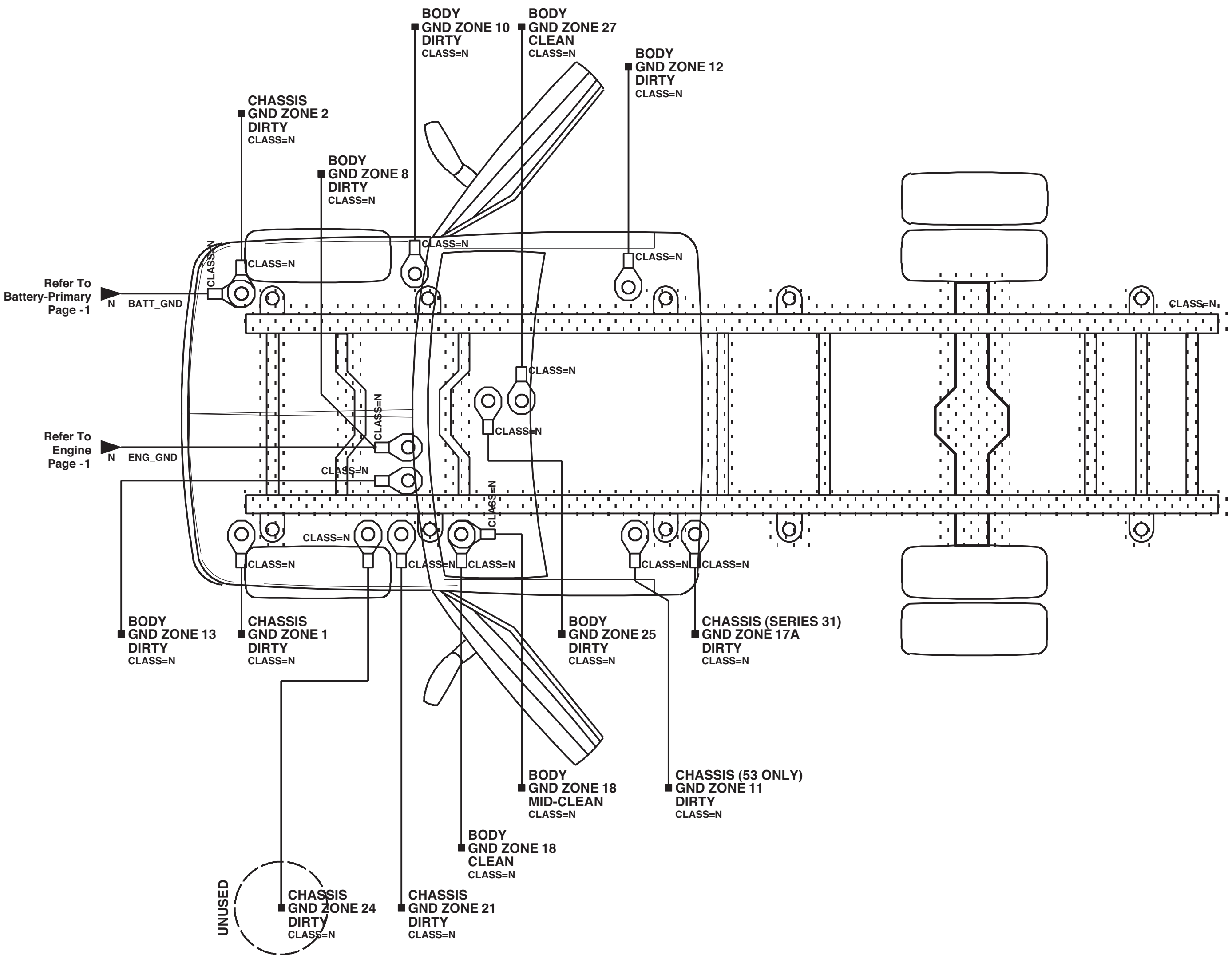
Ground Distribution
1_08_GND_DIST Panel 3 of 30

2008
GMT900
MVBS
System Status: Object Status:

Ground Distribution


BODY GND ZONE 10 DIRTY CLASS=N
BODY GND ZONE 27 CLEAN CLASS=N
BODY GND ZONE 12 DIRTY CLASS=N
CHASSIS GND ZONE 2 DIRTY CLASS=N
BODY GND ZONE 8 DIRTY CLASS=N
Refer To Battery-Primary Page -1
N BATT_GND
Refer To Engine Page -1
N ENG_GND
CLASS=N
BODY GND ZONE 13 DIRTY CLASS=N
CHASSIS GND ZONE 1 DIRTY CLASS=N
BODY GND ZONE 25 DIRTY CLASS=N
CHASSIS (SERIES 31) GND ZONE 17A DIRTY CLASS=N
BODY GND ZONE 18 MID-CLEAN CLASS=N
CHASSIS (53 ONLY) GND ZONE 11 DIRTY CLASS=N
BODY GND ZONE 18 CLEAN CLASS=N
UNUSED
CHASSIS GND ZONE 24 DIRTY CLASS=N
CHASSIS GND ZONE 21 DIRTY CLASS=N

NOTES

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Ground Distribution

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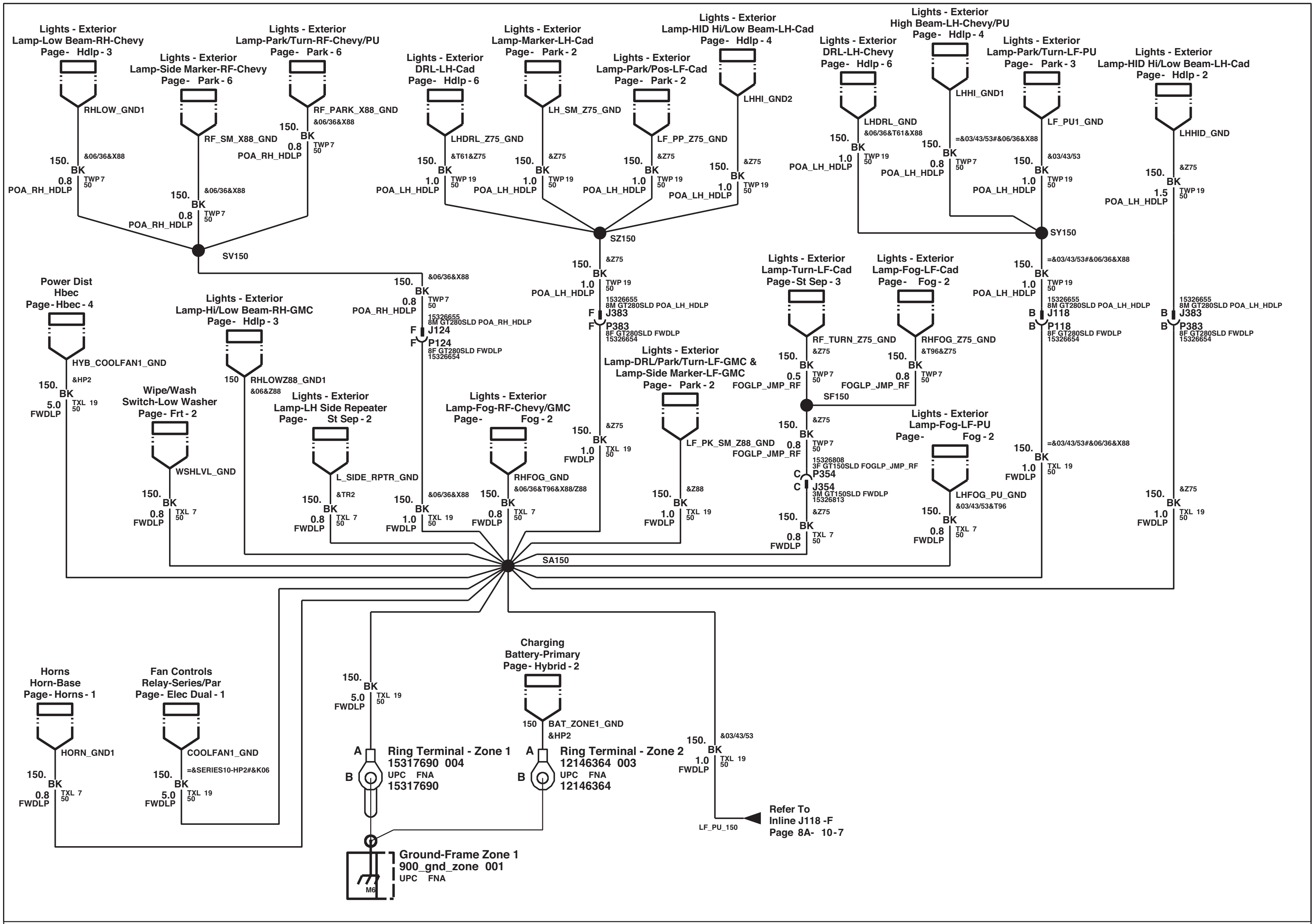
GMT900
MVBS
System Status: Object Status:

Ground Distribution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Lights - Exterior
Lamp-Side Marker-RF-Chevy
Page- Park - 6
RF_SM_X88_GND
150. BK 0.8 TWP 7 50 POA_RH_HDLP &06/36&X88
Lights - Exterior
Lamp-Park/Turn-RF-Chevy/PU
Page- Park - 6
RF_PARK_X88_GND
150. BK 0.8 TWP 7 50 POA_RH_HDLP &06/36&X88
SV150
Lights - Exterior
DRL-LH-Cad
Page- Hdlp - 6
LHDRL_Z75_GND
150. BK 1.0 TWP 19 50 POA_LH_HDLP &T61&Z75
Lights - Exterior
Lamp-Marker-LH-Cad
Page- Park - 2
LH_SM_Z75_GND
150. BK 1.0 TWP 19 50 POA_LH_HDLP &Z75
Lights - Exterior
Lamp-Park/Pos-LF-Cad
Page- Park - 2
LF_PP_Z75_GND
150. BK 1.0 TWP 19 50 POA_LH_HDLP &Z75
Lights - Exterior
Lamp-HID Hi/Low Beam-LH-Cad
Page- Hdlp - 4
LHHI_GND2
150. BK 1.0 TWP 19 50 POA_LH_HDLP &Z75
SZ150
Lights - Exterior
DRL-LH-Chevy
Page- Hdlp - 6
LHDRL_GND
150. BK 1.0 TWP 19 50 POA_LH_HDLP &06/36&T61&X88
Lights - Exterior
High Beam-LH-Chevy/PU
Page- Hdlp - 4
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Lights - Exterior
Lamp-Park/Turn-LF-PU
Page- Park - 3
LF_PU1_GND
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SY150
Lights - Exterior
Lamp-HID Hi/Low Beam-LH-Cad
Page- Hdlp - 2
LHHID_GND
150. BK 1.5 TWP 19 50 POA_LH_HDLP &Z75
Power Dist
Hbec
Page- Hbec - 4
HYB_COOLFAN1_GND
150. BK 5.0 TXL 19 50 FWDLP &HP2
Lights - Exterior
Lamp-Hi/Low Beam-RH-GMC
Page- Hdlp - 3
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150. BK 0.8 TWP 7 50 POA_RH_HDLP &06/36&X88
15326655 8M GT280SLD POA_RH_HDLP
F J124
F P124
8F GT280SLD FWDLP 15326654
150. BK 1.0 TWP 19 50 POA_LH_HDLP &Z75
15326655 8M GT280SLD POA_LH_HDLP
F J383
F P383
8F GT280SLD FWDLP 15326654
Lights - Exterior
Lamp-Turn-LF-Cad
Page- St Sep - 3
RF_TURN_Z75_GND
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Lights - Exterior
Lamp-Fog-LF-Cad
Page- Fog - 2
RHFOG_Z75_GND
150. BK 0.8 TWP 7 50 FOGLP_JMP_RF &T96&Z75
SF150
150. BK 1.0 TWP 19 50 POA_LH_HDLP =&03/43/53#&06/36&X88
15326655 8M GT280SLD POA_LH_HDLP
B J118
B P118
8F GT280SLD FWDLP 15326654
15326655 8M GT280SLD POA_LH_HDLP
B J383
B P383
8F GT280SLD FWDLP 15326654
Wipe/Wash
Switch-Low Washer
Page- Frt - 2
WSHLVL_GND
150. BK 0.8 TXL 7 50 FWDLP
Lights - Exterior
Lamp-LH Side Repeater
Page- St Sep - 2
L_SIDE_RPTR_GND
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150. BK 1.0 TXL 19 50 FWDLP &06/36&X88
Lights - Exterior
Lamp-Fog-RF-Chevy/GMC
Page- Fog - 2
RHFOG_GND
150. BK 0.8 TXL 7 50 FWDLP &06/36&T96&X88/Z88
150. BK 1.0 TXL 19 50 FWDLP &Z75
Lights - Exterior
Lamp-DRL/Park/Turn-LF-GMC &
Lamp-Side Marker-LF-GMC
Page- Park - 2
LF_PK_SM_Z88_GND
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C P354
C J354
3M GT150SLD FWDLP 15326813
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Page- Fog - 2
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SA150
Horns
Horn-Base
Page- Horns - 1
HORN_GND1
150. BK 0.8 TXL 7 50 FWDLP
Fan Controls
Relay-Series/Par
Page- Elec Dual - 1
COOLFAN1_GND
150. BK 5.0 TXL 19 50 FWDLP =&SERIES10-HP2#&K06
150. BK 5.0 TXL 19 50 FWDLP
A B Ring Terminal - Zone 1
15317690 004
UPC FNA
15317690
Charging
Battery-Primary
Page- Hybrid - 2
150 BAT_ZONE1_GND &HP2
A B Ring Terminal - Zone 2
12146364 003
UPC FNA
12146364
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LF_PU_150
Refer To
Inline J118 -F
Page 8A- 10-7
Ground-Frame Zone 1
900_gnd_zone 001
UPC FNA
M6

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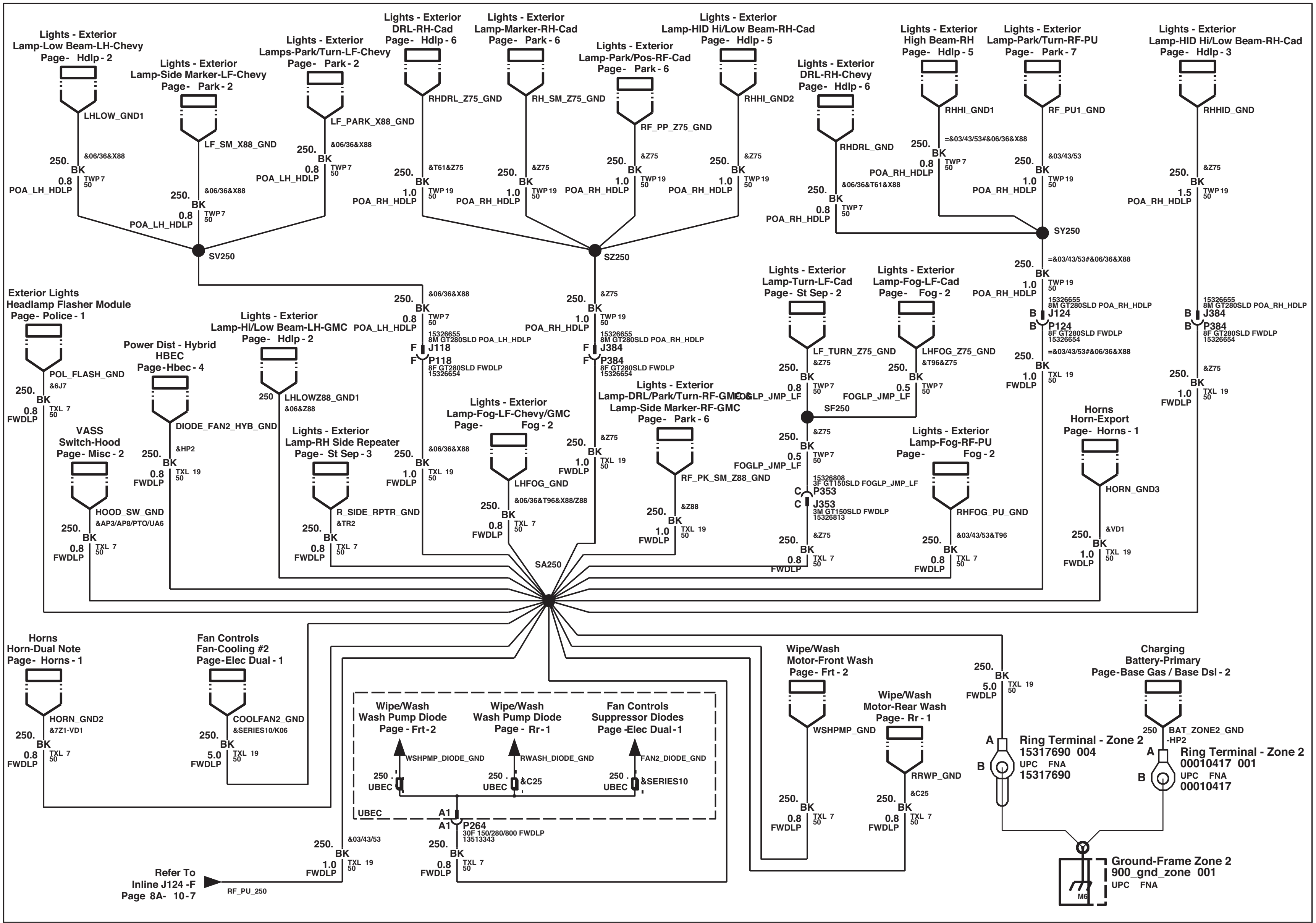
GMT900
MVBS
System Status: Object Status:

Ground Distribution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Lights - Exterior
Lamp-Side Marker-LF-Chevy
Page- Park - 2
LF_SM_X88_GND
Lights - Exterior
Lamps-Park/Turn-LF-Chevy
Page- Park - 2
LF_PARK_X88_GND
Lights - Exterior
DRL-RH-Cad
Page- Hdlp - 6
RHDRL_Z75_GND
Lights - Exterior
Lamp-Marker-RH-Cad
Page- Park - 6
RH_SM_Z75_GND
Lights - Exterior
Lamp-Park/Pos-RF-Cad
Page- Park - 6
RF_PP_Z75_GND
Lights - Exterior
Lamp-HID Hi/Low Beam-RH-Cad
Page- Hdlp - 5
RHHI_GND2
Lights - Exterior
DRL-RH-Chevy
Page- Hdlp - 6
RHDRL_GND
Lights - Exterior
High Beam-RH
Page- Hdlp - 5
RHHI_GND1
Lights - Exterior
Lamp-Park/Turn-RF-PU
Page- Park - 7
RF_PU1_GND
Lights - Exterior
Lamp-HID Hi/Low Beam-RH-Cad
Page- Hdlp - 3
RHHID_GND
250. BK 0.8 TWP 7 50 POA_LH_HDLP
&06/36&X88
SV250
SZ250
SY250
=&03/43/53#&06/36&X88
&T61&Z75
&Z75
&03/43/53
&06/36&T61&X88
POA_RH_HDLP
1.0 TWP 19 50
1.5 TWP 19 50
Exterior Lights
Headlamp Flasher Module
Page- Police - 1
POL_FLASH_GND
&6J7
250. BK 0.8 TXL 7 50 FWDLP
Power Dist - Hybrid
HBEC
Page-Hbec - 4
DIODE_FAN2_HYB_GND
&HP2
Lights - Exterior
Lamp-Hi/Low Beam-LH-GMC
Page- Hdlp - 2
LHLOWZ88_GND1
&06&Z88
15326655 8M GT280SLD POA_LH_HDLP
F J118
F P118
8F GT280SLD FWDLP 15326654
15326655 8M GT280SLD POA_RH_HDLP
F J384
F P384
8F GT280SLD FWDLP 15326654
B J124
B P124
B J384
B P384
VASS
Switch-Hood
Page- Misc - 2
HOOD_SW_GND
&AP3/AP8/PTO/UA6
Lights - Exterior
Lamp-RH Side Repeater
Page- St Sep - 3
R_SIDE_RPTR_GND
&TR2
Lights - Exterior
Lamp-Fog-LF-Chevy/GMC
Page- Fog - 2
LHFOG_GND
&06/36&T96&X88/Z88
Lights - Exterior
Lamp-DRL/Park/Turn-RF-GMC &
Lamp-Side Marker-RF-GMC
Page- Park - 6
RF_PK_SM_Z88_GND
&Z88
Lights - Exterior
Lamp-Turn-LF-Cad
Page- St Sep - 2
LF_TURN_Z75_GND
Lights - Exterior
Lamp-Fog-LF-Cad
Page- Fog - 2
LHFOG_Z75_GND
&T96&Z75
FOGLP_JMP_LF
SF250
15326808 3F GT150SLD FOGLP_JMP_LF
C P353
C J353
3M GT150SLD FWDLP 15326813
Lights - Exterior
Lamp-Fog-RF-PU
Page- Fog - 2
RHFOG_PU_GND
&03/43/53&T96
Horns
Horn-Export
Page- Horns - 1
HORN_GND3
&VD1
SA250
Horns
Horn-Dual Note
Page- Horns - 1
HORN_GND2
&7Z1-VD1
Fan Controls
Fan-Cooling #2
Page-Elec Dual - 1
COOLFAN2_GND
&SERIES10/K06
5.0 TXL 19 50
Wipe/Wash
Wash Pump Diode
Page - Frt - 2
WSHPMP_DIODE_GND
Wipe/Wash
Wash Pump Diode
Page - Rr - 1
RWASH_DIODE_GND
&C25
Fan Controls
Suppressor Diodes
Page -Elec Dual - 1
FAN2_DIODE_GND
&SERIES10
UBEC
A1 P264
30F 150/280/800 FWDLP 13513343
&03/43/53
Refer To
Inline J124 -F
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RF_PU_250
Wipe/Wash
Motor-Front Wash
Page- Frt - 2
WSHPMP_GND
Wipe/Wash
Motor-Rear Wash
Page- Rr - 1
RRWP_GND
&C25
Charging
Battery-Primary
Page-Base Gas / Base Dsl - 2
BAT_ZONE2_GND
-HP2
Ring Terminal - Zone 2
15317690 004
UPC FNA
15317690
Ring Terminal - Zone 2
00010417 001
UPC FNA
00010417
Ground-Frame Zone 2
900_gnd_zone 001
UPC FNA
M6

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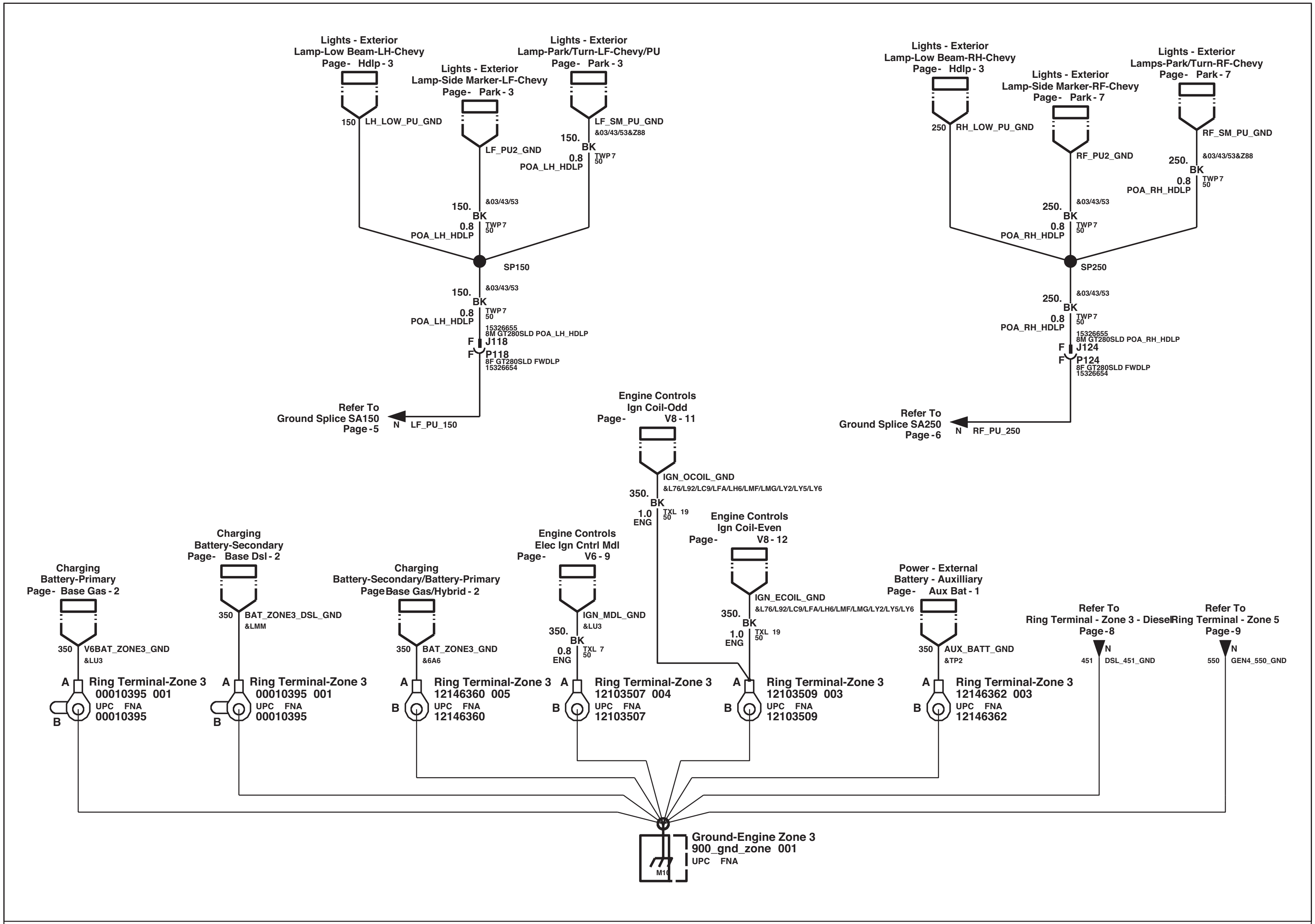
Lights - Exterior
Lamp-Low Beam-LH-Chevy
Page- Hdlp - 3
150 LH_LOW_PU_GND
Lights - Exterior
Lamp-Side Marker-LF-Chevy
Page- Park - 3
LF_PU2_GND
Lights - Exterior
Lamp-Park/Turn-LF-Chevy/PU
Page- Park - 3
LF_SM_PU_GND
&03/43/53&Z88
150.
BK
0.8
TWP 7
50
POA_LH_HDLP
&03/43/53
150.
BK
0.8
TWP 7
50
POA_LH_HDLP
SP150
&03/43/53
150.
BK
0.8
TWP 7
50
POA_LH_HDLP
15326655
8M GT280SLD POA_LH_HDLP
F J118
F P118
8F GT280SLD FWDLP
15326654
Refer To
Ground Splice SA150
Page - 5
N LF_PU_150
Lights - Exterior
Lamp-Low Beam-RH-Chevy
Page- Hdlp - 3
250 RH_LOW_PU_GND
Lights - Exterior
Lamp-Side Marker-RF-Chevy
Page- Park - 7
RF_PU2_GND
Lights - Exterior
Lamps-Park/Turn-RF-Chevy
Page- Park - 7
RF_SM_PU_GND
&03/43/53&Z88
250.
BK
0.8
TWP 7
50
POA_RH_HDLP
&03/43/53
250.
BK
0.8
TWP 7
50
POA_RH_HDLP
SP250
&03/43/53
250.
BK
0.8
TWP 7
50
POA_RH_HDLP
15326655
8M GT280SLD POA_RH_HDLP
F J124
F P124
8F GT280SLD FWDLP
15326654
Refer To
Ground Splice SA250
Page - 6
N RF_PU_250
Engine Controls
Ign Coil-Odd
Page- V8 - 11
IGN_OCOIL_GND
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
350.
BK
1.0
ENG
TXL 19
50
Engine Controls
Ign Coil-Even
Page- V8 - 12
IGN_ECOIL_GND
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
350.
BK
1.0
ENG
TXL 19
50
Charging
Battery-Primary
Page- Base Gas - 2
350 V6BAT_ZONE3_GND
&LU3
A
Ring Terminal-Zone 3
00010395 001
UPC FNA
00010395
B
Charging
Battery-Secondary
Page- Base Dsl - 2
350 BAT_ZONE3_DSL_GND
&LMM
A
Ring Terminal-Zone 3
00010395 001
UPC FNA
00010395
B
Charging
Battery-Secondary/Battery-Primary
Page Base Gas/Hybrid - 2
350 BAT_ZONE3_GND
&6A6
A
Ring Terminal-Zone 3
12146360 005
B
UPC FNA
12146360
Engine Controls
Elec Ign Cntrl Mdl
Page- V6 - 9
IGN_MDL_GND
&LU3
350.
BK
0.8
ENG
TXL 7
50
A
Ring Terminal-Zone 3
12103507 004
B
UPC FNA
12103507
A
Ring Terminal-Zone 3
12103509 003
B
UPC FNA
12103509
Power - External
Battery - Auxilliary
Page- Aux Bat - 1
350 AUX_BATT_GND
&TP2
A
Ring Terminal-Zone 3
12146362 003
B
UPC FNA
12146362
Refer To
Ring Terminal - Zone 3 - Diesel
Page - 8
N
451 DSL_451_GND
Refer To
Ring Terminal - Zone 5
Page - 9
N
550 GEN4_550_GND
Ground-Engine Zone 3
900_gnd_zone 001
UPC FNA
M10

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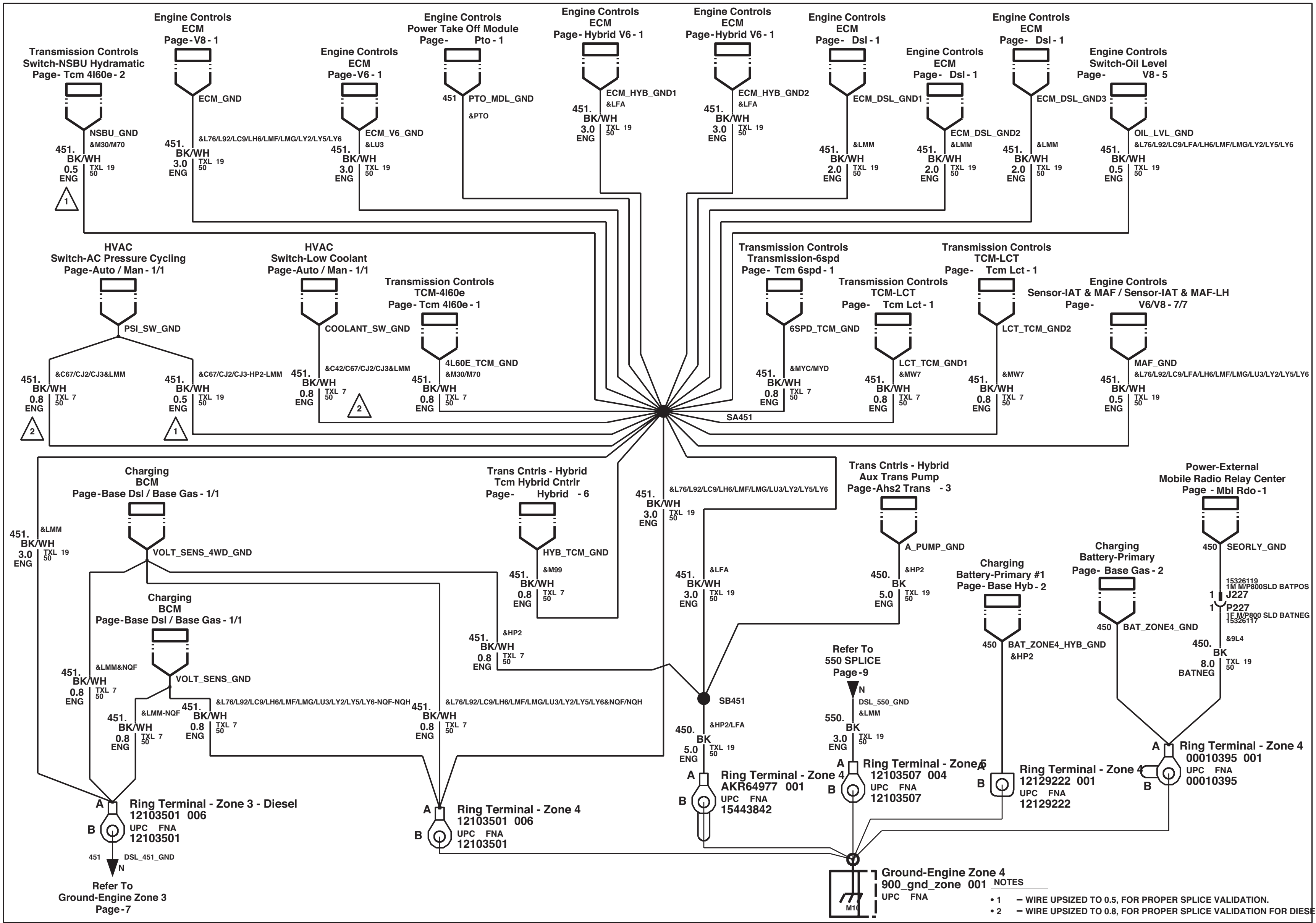
Transmission Controls
Switch-NSBU Hydramatic
Page- Tcm 4l60e - 2
NSBU_GND
&M30/M70
451. BK/WH 0.5 ENG TXL 19 50
Engine Controls
ECM
Page - V8 - 1
ECM_GND
&L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6
451. BK/WH 3.0 ENG TXL 19 50
Engine Controls
ECM
Page - V6 - 1
ECM_V6_GND
&LU3
451. BK/WH 3.0 ENG TXL 19 50
Engine Controls
Power Take Off Module
Page- Pto - 1
451 PTO_MDL_GND
&PTO
Engine Controls
ECM
Page - Hybrid V6 - 1
ECM_HYB_GND1
&LFA
451. BK/WH 3.0 ENG TXL 19 50
Engine Controls
ECM
Page - Hybrid V6 - 1
ECM_HYB_GND2
&LFA
451. BK/WH 3.0 ENG TXL 19 50
Engine Controls
ECM
Page- Dsl - 1
ECM_DSL_GND1
&LMM
451. BK/WH 2.0 ENG TXL 19 50
Engine Controls
ECM
Page- Dsl - 1
ECM_DSL_GND2
&LMM
451. BK/WH 2.0 ENG TXL 19 50
Engine Controls
ECM
Page- Dsl - 1
ECM_DSL_GND3
&LMM
451. BK/WH 2.0 ENG TXL 19 50
Engine Controls
Switch-Oil Level
Page- V8 - 5
OIL_LVL_GND
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
451. BK/WH 0.5 ENG TXL 19 50
1
HVAC
Switch-AC Pressure Cycling
Page-Auto / Man - 1/1
PSI_SW_GND
&C67/CJ2/CJ3&LMM
451. BK/WH 0.8 ENG TXL 7 50
2
&C67/CJ2/CJ3-HP2-LMM
451. BK/WH 0.5 ENG TXL 19 50
1
HVAC
Switch-Low Coolant
Page-Auto / Man - 1/1
COOLANT_SW_GND
&C42/C67/CJ2/CJ3&LMM
451. BK/WH 0.8 ENG TXL 7 50
2
Transmission Controls
TCM-4l60e
Page- Tcm 4l60e - 1
4L60E_TCM_GND
&M30/M70
451. BK/WH 0.8 ENG TXL 7 50
Transmission Controls
Transmission-6spd
Page- Tcm 6spd - 1
6SPD_TCM_GND
&MYC/MYD
451. BK/WH 0.8 ENG TXL 7 50
Transmission Controls
TCM-LCT
Page- Tcm Lct - 1
LCT_TCM_GND1
&MW7
451. BK/WH 0.8 ENG TXL 7 50
Transmission Controls
TCM-LCT
Page- Tcm Lct - 1
LCT_TCM_GND2
&MW7
451. BK/WH 0.8 ENG TXL 7 50
Engine Controls
Sensor-IAT & MAF / Sensor-IAT & MAF-LH
Page- V6/V8 - 7/7
MAF_GND
&L76/L92/LC9/LFA/LH6/LMF/LMG/LU3/LY2/LY5/LY6
451. BK/WH 0.5 ENG TXL 19 50
SA451
451. BK/WH 3.0 ENG TXL 19 50
&LMM
Charging
BCM
Page-Base Dsl / Base Gas - 1/1
VOLT_SENS_4WD_GND
Charging
BCM
Page-Base Dsl / Base Gas - 1/1
VOLT_SENS_GND
&LMM&NQF
451. BK/WH 0.8 ENG TXL 7 50
&LMM-NQF
451. BK/WH 0.8 ENG TXL 7 50
&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6-NQF-NQH
451. BK/WH 0.8 ENG TXL 7 50
&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6&NQF/NQH
451. BK/WH 0.8 ENG TXL 7 50
Trans Cntrls - Hybrid
Tcm Hybrid Cntrlr
Page- Hybrid - 6
HYB_TCM_GND
&M99
451. BK/WH 0.8 ENG TXL 7 50
&HP2
451. BK/WH 0.8 ENG TXL 7 50
&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
451. BK/WH 3.0 ENG TXL 19 50
&LFA
451. BK/WH 3.0 ENG TXL 19 50
SB451
&HP2/LFA
450. BK 5.0 ENG TXL 19 50
Trans Cntrls - Hybrid
Aux Trans Pump
Page-Ahs2 Trans - 3
A_PUMP_GND
&HP2
450. BK 5.0 ENG TXL 19 50
Refer To
550 SPLICE
Page - 9
N
DSL_550_GND
&LMM
550. BK 3.0 ENG TXL 19 50
Charging
Battery-Primary #1
Page- Base Hyb - 2
450 BAT_ZONE4_HYB_GND
&HP2
Charging
Battery-Primary
Page- Base Gas - 2
450 BAT_ZONE4_GND
Power-External
Mobile Radio Relay Center
Page - Mbl Rdo - 1
450 SEORLY_GND
15326119
1M M/P800SLD BATPOS
1 J227
1 P227
1F M/P800 SLD BATNEG
15326117
&9L4
450. BK 8.0 BATNEG TXL 19 50
A
B
Ring Terminal - Zone 3 - Diesel
12103501 006
UPC FNA
12103501
451 DSL_451_GND
N
Refer To
Ground-Engine Zone 3
Page - 7
A
B
Ring Terminal - Zone 4
12103501 006
UPC FNA
12103501
A
B
Ring Terminal - Zone 4
AKR64977 001
UPC FNA
15443842
A
B
Ring Terminal - Zone 5
12103507 004
UPC FNA
12103507
A
B
Ring Terminal - Zone 4
12129222 001
UPC FNA
12129222
A
B
Ring Terminal - Zone 4
00010395 001
UPC FNA
00010395
Ground-Engine Zone 4
900_gnd_zone 001
UPC FNA
M10

NOTES

- 1 – WIRE UPSIZED TO 0.5, FOR PROPER SPLICE VALIDATION.
- 2 – WIRE UPSIZED TO 0.8, FOR PROPER SPLICE VALIDATION FOR DIESEL.

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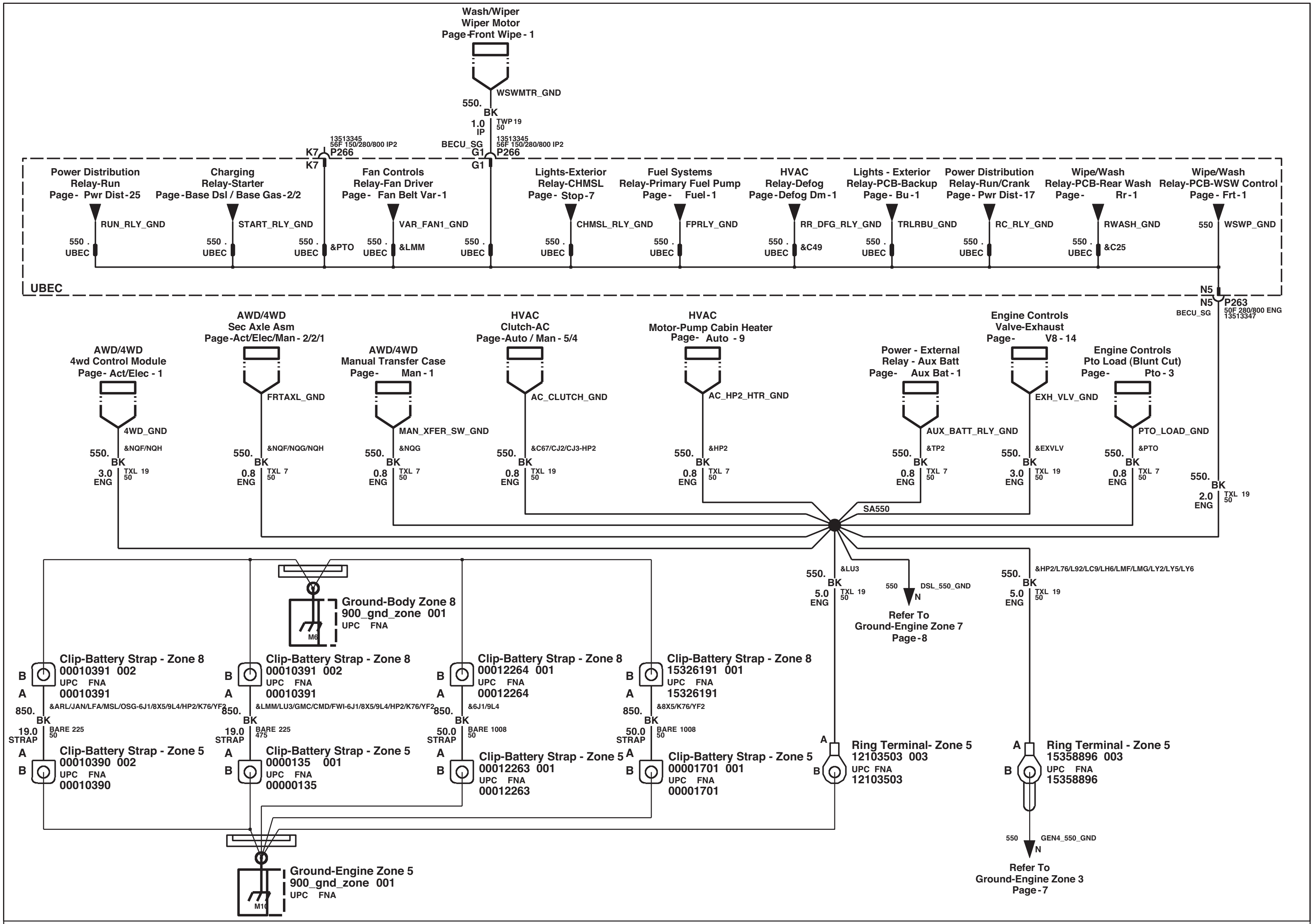
Wash/Wiper
Wiper Motor
Page-Front Wipe - 1
WSWMTR_GND
550.
BK
1.0
IP
TWP 19
50
13513345
56F 150/280/800 IP2
K7
K7
P266
BECU_SG
G1
G1
13513345
56F 150/280/800 IP2
P266
Power Distribution
Relay-Run
Page- Pwr Dist-25
Charging
Relay-Starter
Page-Base Dsl / Base Gas-2/2
Fan Controls
Relay-Fan Driver
Page- Fan Belt Var-1
Lights-Exterior
Relay-CHMSL
Page- Stop-7
Fuel Systems
Relay-Primary Fuel Pump
Page- Fuel-1
HVAC
Relay-Defog
Page-Defog Dm-1
Lights - Exterior
Relay-PCB-Backup
Page- Bu-1
Power Distribution
Relay-Run/Crank
Page- Pwr Dist-17
Wipe/Wash
Relay-PCB-Rear Wash
Page- Rr-1
Wipe/Wash
Relay-PCB-WSW Control
Page- Frt-1
RUN_RLY_GND
START_RLY_GND
VAR_FAN1_GND
CHMSL_RLY_GND
FPRLY_GND
RR_DFG_RLY_GND
TRLRBU_GND
RC_RLY_GND
RWASH_GND
550
WSWP_GND
550 . UBEC
&PTO
&LMM
&C49
&C25
UBEC
N5
N5
P263
BECU_SG
50F 280/800 ENG
13513347
AWD/4WD
4wd Control Module
Page- Act/Elec-1
4WD_GND
&NQF/NQH
550.
BK
3.0
ENG
TXL 19
50
AWD/4WD
Sec Axle Asm
Page-Act/Elec/Man-2/2/1
FRTAXL_GND
&NQF/NQG/NQH
550.
BK
0.8
ENG
TXL 7
50
AWD/4WD
Manual Transfer Case
Page- Man-1
MAN_XFER_SW_GND
&NQG
HVAC
Clutch-AC
Page-Auto / Man-5/4
AC_CLUTCH_GND
&C67/CJ2/CJ3-HP2
TXL 19
HVAC
Motor-Pump Cabin Heater
Page- Auto-9
AC_HP2_HTR_GND
&HP2
Power - External
Relay - Aux Batt
Page- Aux Bat-1
AUX_BATT_RLY_GND
&TP2
Engine Controls
Valve-Exhaust
Page- V8-14
EXH_VLV_GND
&EXVLV
3.0
Engine Controls
Pto Load (Blunt Cut)
Page- Pto-3
PTO_LOAD_GND
&PTO
550.
BK
2.0
ENG
TXL 19
50
SA550
550.
BK
5.0
ENG
&LU3
TXL 19
50
550
DSL_550_GND
N
Refer To
Ground-Engine Zone 7
Page-8
&HP2/L76/L92/LC9/LH6/LMF/LMG/LY2/LY5/LY6
Ground-Body Zone 8
900_gnd_zone 001
UPC FNA
M6
Clip-Battery Strap - Zone 8
00010391 002
UPC FNA
00010391
B
A
850.
BK
&ARL/JAN/LFA/MSL/OSG-6J1/8X5/9L4/HP2/K76/YF2
19.0
STRAP
BARE 225
50
Clip-Battery Strap - Zone 5
00010390 002
UPC FNA
00010390
Clip-Battery Strap - Zone 8
00010391 002
UPC FNA
00010391
&LMM/LU3/GMC/CMD/FWI-6J1/8X5/9L4/HP2/K76/YF2
19.0
STRAP
BARE 225
475
Clip-Battery Strap - Zone 5
00000135 001
UPC FNA
00000135
Clip-Battery Strap - Zone 8
00012264 001
UPC FNA
00012264
&6J1/9L4
50.0
STRAP
BARE 1008
50
Clip-Battery Strap - Zone 5
00012263 001
UPC FNA
00012263
Clip-Battery Strap - Zone 8
15326191 001
UPC FNA
15326191
&8X5/K76/YF2
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STRAP
BARE 1008
50
Clip-Battery Strap - Zone 5
00001701 001
UPC FNA
00001701
Ring Terminal- Zone 5
12103503 003
UPC FNA
12103503
Ring Terminal - Zone 5
15358896 003
UPC FNA
15358896
550
GEN4_550_GND
N
Refer To
Ground-Engine Zone 3
Page-7
Ground-Engine Zone 5
900_gnd_zone 001
UPC FNA
M10

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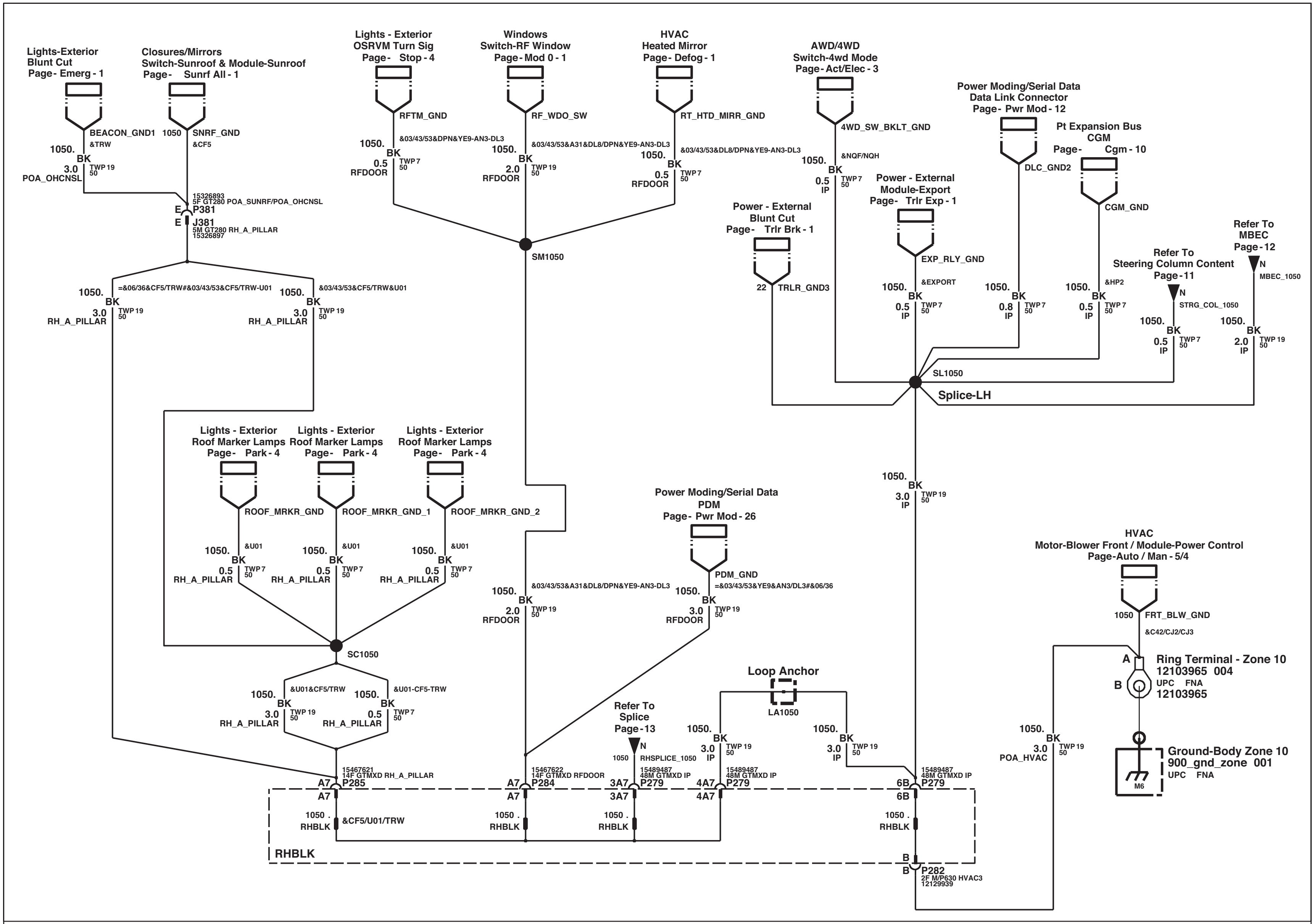
Lights-Exterior
Blunt Cut
Page- Emerg - 1
BEACON_GND1
&TRW
1050.
BK
3.0
TWP 19
50
POA_OHCNSL
Closures/Mirrors
Switch-Sunroof & Module-Sunroof
Page- Sunrf All - 1
1050
SNRF_GND
&CF5
15326893
5F GT280 POA_SUNRF/POA_OHCNSL
E P381
E J381
5M GT280 RH_A_PILLAR
15326897
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BK
3.0
TWP 19
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RH_A_PILLAR
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BK
3.0
TWP 19
50
RH_A_PILLAR
&03/43/53&CF5/TRW&U01
Lights - Exterior
OSRVM Turn Sig
Page- Stop - 4
RFTM_GND
&03/43/53&DPN&YE9-AN3-DL3
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BK
0.5
TWP 7
50
RFDOOR
Windows
Switch-RF Window
Page - Mod 0 - 1
RF_WDO_SW
&03/43/53&A31&DL8/DPN&YE9-AN3-DL3
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2.0
TWP 19
50
RFDOOR
HVAC
Heated Mirror
Page- Defog - 1
RT_HTD_MIRR_GND
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0.5
TWP 7
50
RFDOOR
SM1050
AWD/4WD
Switch-4wd Mode
Page- Act/Elec - 3
4WD_SW_BKLT_GND
&NQF/NQH
1050.
BK
0.5
IP
TWP 7
50
Power - External
Blunt Cut
Page- Trlr Brk - 1
22
TRLR_GND3
Power - External
Module-Export
Page- Trlr Exp - 1
EXP_RLY_GND
&EXPORT
1050.
BK
0.5
IP
TWP 7
50
Power Moding/Serial Data
Data Link Connector
Page- Pwr Mod - 12
DLC_GND2
1050.
BK
0.8
IP
TWP 7
50
Pt Expansion Bus
CGM
Page- Cgm - 10
CGM_GND
&HP2
1050.
BK
0.5
IP
TWP 7
50
Refer To
Steering Column Content
Page - 11
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STRG_COL_1050
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BK
0.5
IP
TWP 7
50
Refer To
MBEC
Page - 12
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MBEC_1050
1050.
BK
2.0
IP
TWP 19
50
SL1050
Splice-LH
1050.
BK
3.0
IP
TWP 19
50
Lights - Exterior
Roof Marker Lamps
Page- Park - 4
ROOF_MRKR_GND
&U01
1050.
BK
0.5
TWP 7
50
RH_A_PILLAR
Lights - Exterior
Roof Marker Lamps
Page- Park - 4
ROOF_MRKR_GND_1
&U01
1050.
BK
0.5
TWP 7
50
RH_A_PILLAR
Lights - Exterior
Roof Marker Lamps
Page- Park - 4
ROOF_MRKR_GND_2
&U01
1050.
BK
0.5
TWP 7
50
RH_A_PILLAR
SC1050
&U01&CF5/TRW
1050.
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3.0
TWP 19
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RH_A_PILLAR
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RH_A_PILLAR
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TWP 19
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PDM
Page- Pwr Mod - 26
PDM_GND
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3.0
TWP 19
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RFDOOR
Loop Anchor
LA1050
Refer To
Splice
Page - 13
N
1050
RHSPLICE_1050
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BK
3.0
IP
TWP 19
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3.0
IP
TWP 19
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15467621
14F GTMXD RH_A_PILLAR
A7 P285
A7
15467622
14F GTMXD RFDOOR
A7 P284
A7
15489487
48M GTMXD IP
3A7 P279
3A7
15489487
48M GTMXD IP
4A7 P279
4A7
15489487
48M GTMXD IP
6B P279
6B
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RHBLK
&CF5/U01/TRW
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RHBLK
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RHBLK
1050 .
RHBLK
RHBLK
B
B P282
2F M/P630 HVAC3
12129939
HVAC
Motor-Blower Front / Module-Power Control
Page-Auto / Man - 5/4
1050
FRT_BLW_GND
&C42/CJ2/CJ3
A
B
Ring Terminal - Zone 10
12103965 004
UPC FNA
12103965
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BK
3.0
TWP 19
50
POA_HVAC
Ground-Body Zone 10
900_gnd_zone 001
UPC FNA
M6

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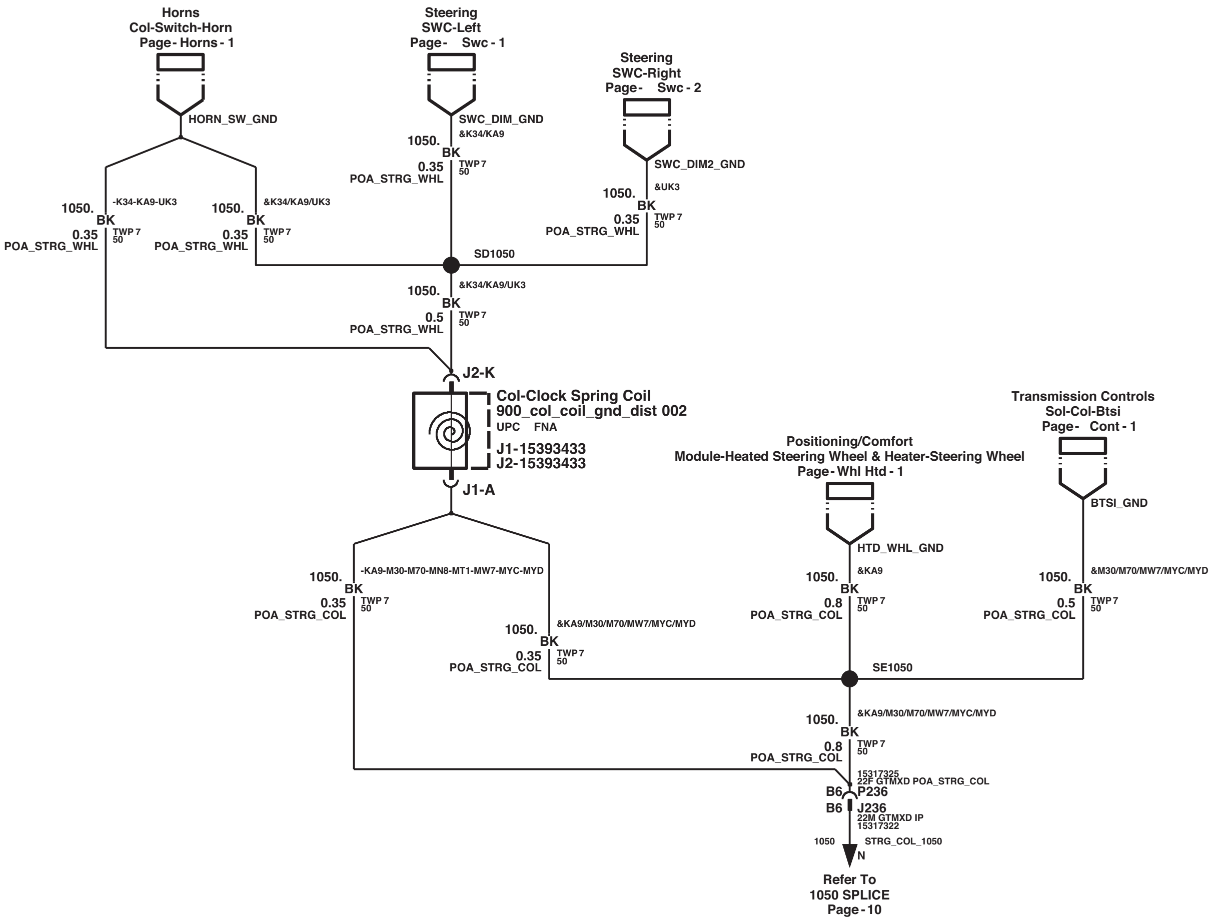
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Col-Switch-Horn
Page - Horns - 1
HORN_SW_GND
Steering
SWC-Left
Page - Swc - 1
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BK
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TWP 7
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POA_STRG_WHL
Steering
SWC-Right
Page - Swc - 2
SWC_DIM2_GND
&UK3
1050.
BK
0.35
TWP 7
50
POA_STRG_WHL
1050.
-K34-KA9-UK3
BK
0.35
TWP 7
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POA_STRG_WHL
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&K34/KA9/UK3
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TWP 7
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POA_STRG_WHL
SD1050
&K34/KA9/UK3
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J2-K
Col-Clock Spring Coil
900_col_coil_gnd_dist 002
UPC FNA
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Module-Heated Steering Wheel & Heater-Steering Wheel
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HTD_WHL_GND
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-KA9-M30-M70-MN8-MT1-MW7-MYC-MYD
BK
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TWP 7
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POA_STRG_COL
1050.
&KA9/M30/M70/MW7/MYC/MYD
BK
0.35
TWP 7
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POA_STRG_COL
1050.
&KA9
BK
0.8
TWP 7
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POA_STRG_COL
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&M30/M70/MW7/MYC/MYD
BK
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TWP 7
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POA_STRG_COL
SE1050
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&KA9/M30/M70/MW7/MYC/MYD
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0.8
TWP 7
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POA_STRG_COL
15317325
22F GTMXD POA_STRG_COL
B6 P236
B6 J236
22M GTMXD IP
15317322
1050
STRG_COL_1050
N
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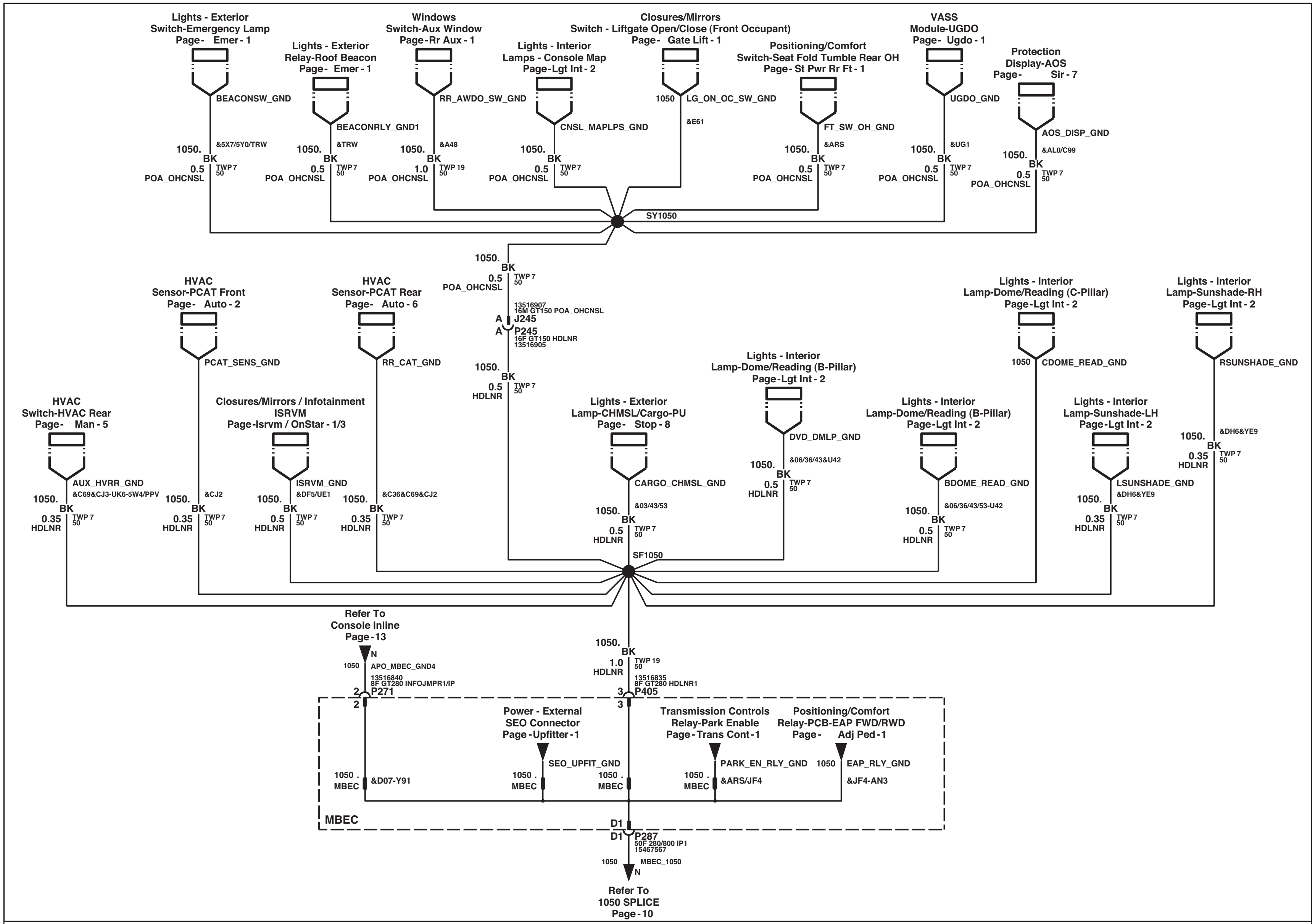
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TWP 7 50
POA_OHCNSL
Lights - Exterior
Relay-Roof Beacon
Page- Emer - 1
BEACONRLY_GND1
&TRW
Windows
Switch-Aux Window
Page-Rr Aux - 1
RR_AWDO_SW_GND
&A48
1.0
TWP 19 50
Lights - Interior
Lamps - Console Map
Page-Lgt Int - 2
CNSL_MAPLPS_GND
Closures/Mirrors
Switch - Liftgate Open/Close (Front Occupant)
Page- Gate Lift - 1
1050
LG_ON_OC_SW_GND
&E61
Positioning/Comfort
Switch-Seat Fold Tumble Rear OH
Page- St Pwr Rr Ft - 1
FT_SW_OH_GND
&ARS
VASS
Module-UGDO
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&UG1
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Display-AOS
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AOS_DISP_GND
&AL0/C99
SY1050
13516907
16M GT150 POA_OHCNSL
A J245
A P245
16F GT150 HDLNR
13516905
HDLNR
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Sensor-PCAT Front
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&CJ2
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&C36&C69&CJ2
HVAC
Switch-HVAC Rear
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&C69&CJ3-UK6-5W4/PPV
0.35
Closures/Mirrors / Infotainment
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&03/43/53
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Lamp-Dome/Reading (B-Pillar)
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&06/36/43&U42
Lights - Interior
Lamp-Dome/Reading (B-Pillar)
Page-Lgt Int - 2
BDOME_READ_GND
&06/36/43/53-U42
Lights - Interior
Lamp-Dome/Reading (C-Pillar)
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1050
CDOME_READ_GND
Lights - Interior
Lamp-Sunshade-LH
Page-Lgt Int - 2
LSUNSHADE_GND
&DH6&YE9
Lights - Interior
Lamp-Sunshade-RH
Page-Lgt Int - 2
RSUNSHADE_GND
&DH6&YE9
SF1050
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N
1050
APO_MBEC_GND4
13516840
8F GT280 INFOJMPR1/IP
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TWP 19 50
1.0
13516835
8F GT280 HDLNR1
3 P405
3
Power - External
SEO Connector
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SEO_UPFIT_GND
Transmission Controls
Relay-Park Enable
Page - Trans Cont - 1
PARK_EN_RLY_GND
Positioning/Comfort
Relay-PCB-EAP FWD/RWD
Page- Adj Ped - 1
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EAP_RLY_GND
1050 .
MBEC
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&ARS/JF4
&JF4-AN3
MBEC
D1
D1 P287
50F 280/800 IP1
15467567
1050
MBEC_1050
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1050 SPLICE
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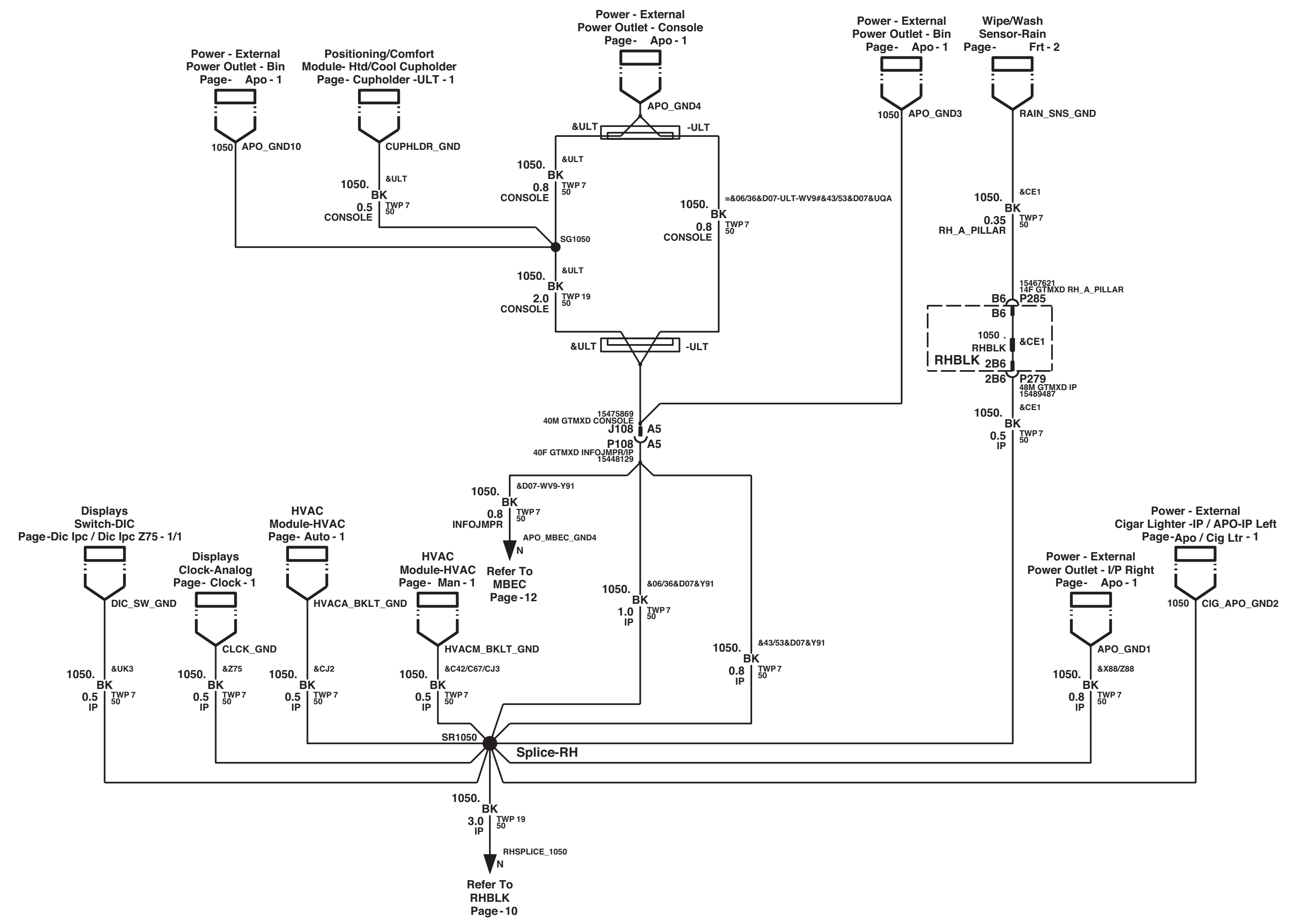

Power - External
Power Outlet - Bin
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Positioning/Comfort
Module- Htd/Cool Cupholder
Page- Cupholder -ULT - 1
CUPHLDR_GND
&ULT
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BK
0.5 CONSOLE
TWP 7 50
Power - External
Power Outlet - Console
Page- Apo - 1
APO_GND4
&ULT
-ULT
&ULT
1050.
BK
0.8 CONSOLE
TWP 7 50
SG1050
&ULT
1050.
BK
2.0 CONSOLE
TWP 19 50
=&06/36&D07-ULT-WV9#&43/53&D07&UQA
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BK
0.8 CONSOLE
TWP 7 50
&ULT
-ULT
Power - External
Power Outlet - Bin
Page- Apo - 1
1050 APO_GND3
Wipe/Wash
Sensor-Rain
Page- Frt - 2
RAIN_SNS_GND
&CE1
1050.
BK
0.35 RH_A_PILLAR
TWP 7 50
15467621
14F GTMXD RH_A_PILLAR
B6 P285
B6
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RHBLK
&CE1
RHBLK
2B6
2B6 P279
48M GTMXD IP
15489487
&CE1
1050.
BK
0.5 IP
TWP 7 50
15475869
40M GTMXD CONSOLE
J108 A5
P108 A5
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15448129
&D07-WV9-Y91
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BK
0.8 INFOJMPR
TWP 7 50
APO_MBEC_GND4
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&06/36&D07&Y91
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BK
1.0 IP
TWP 7 50
&43/53&D07&Y91
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BK
0.8 IP
TWP 7 50
Displays
Switch-DIC
Page-Dic Ipc / Dic Ipc Z75 - 1/1
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&UK3
1050.
BK
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TWP 7 50
Displays
Clock-Analog
Page- Clock - 1
CLCK_GND
&Z75
1050.
BK
0.5 IP
TWP 7 50
HVAC
Module-HVAC
Page- Auto - 1
HVACA_BKLT_GND
&CJ2
1050.
BK
0.5 IP
TWP 7 50
HVAC
Module-HVAC
Page- Man - 1
HVACM_BKLT_GND
&C42/C67/CJ3
1050.
BK
0.5 IP
TWP 7 50
Power - External
Cigar Lighter -IP / APO-IP Left
Page-Apo / Cig Ltr - 1
1050 CIG_APO_GND2
Power - External
Power Outlet - I/P Right
Page- Apo - 1
APO_GND1
&X88/Z88
1050.
BK
0.8 IP
TWP 7 50
SR1050
Splice-RH
1050.
BK
3.0 IP
TWP 19 50
RHSPLICE_1050
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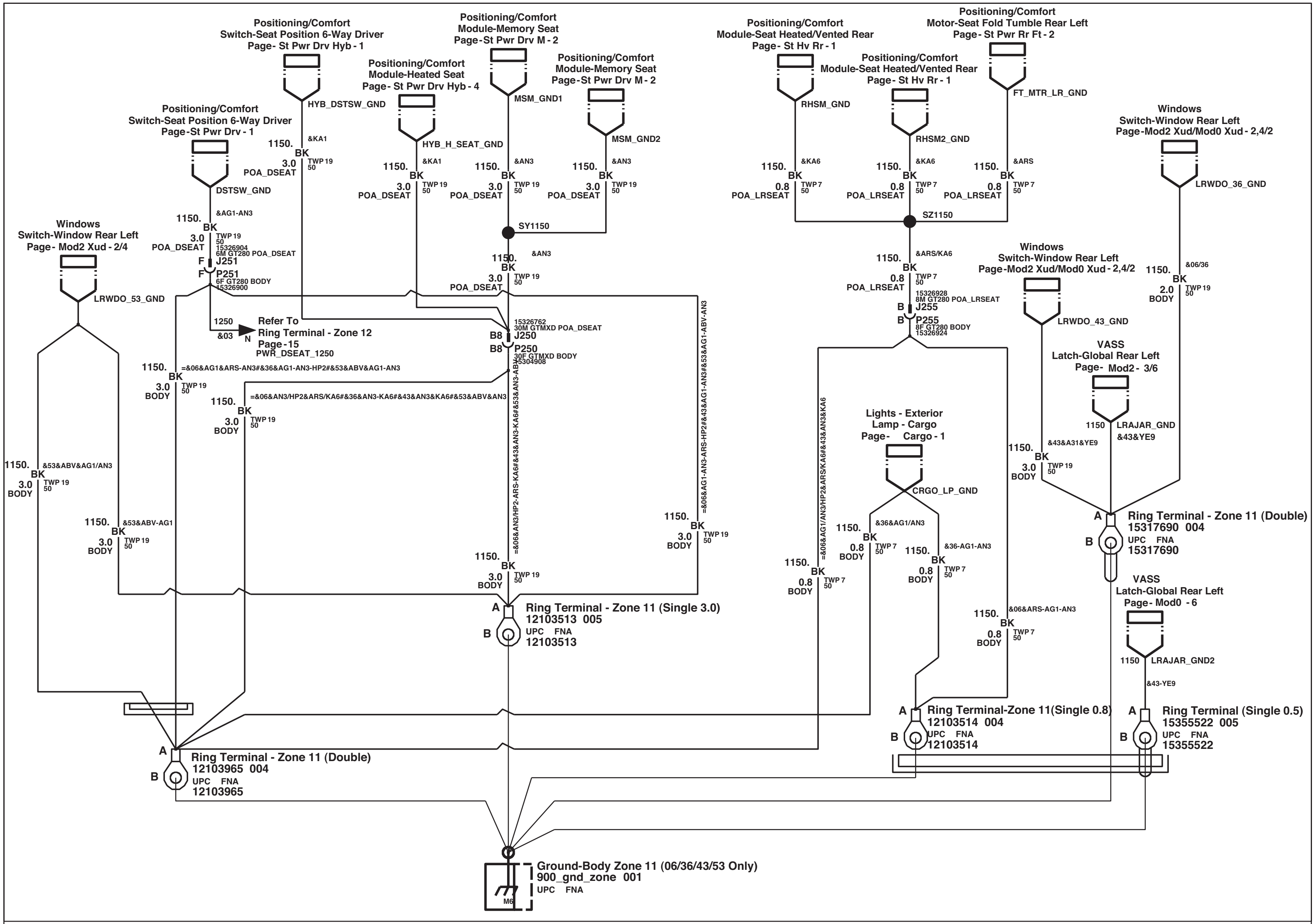
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Switch-Seat Position 6-Way Driver
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POA_DSEAT
TWP 19
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Positioning/Comfort
Module-Heated Seat
Page- St Pwr Drv Hyb - 4
HYB_H_SEAT_GND
&KA1
1150.
BK
3.0
POA_DSEAT
TWP 19
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Positioning/Comfort
Module-Memory Seat
Page-St Pwr Drv M - 2
MSM_GND1
&AN3
1150.
BK
3.0
POA_DSEAT
TWP 19
50
Positioning/Comfort
Module-Memory Seat
Page-St Pwr Drv M - 2
MSM_GND2
&AN3
1150.
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3.0
POA_DSEAT
TWP 19
50
SY1150
&AN3
1150.
BK
3.0
POA_DSEAT
TWP 19
50
Positioning/Comfort
Switch-Seat Position 6-Way Driver
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&AG1-AN3
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3.0
POA_DSEAT
TWP 19
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15326904
6M GT280 POA_DSEAT
F J251
F P251
6F GT280 BODY
15326900
Windows
Switch-Window Rear Left
Page- Mod2 Xud - 2/4
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1250
&03
N
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PWR_DSEAT_1250
15326762
30M GTMXD POA_DSEAT
B8 J250
B8 P250
30F GTMXD BODY
15304908
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BODY
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BK
3.0
BODY
TWP 19
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1150.
BK
3.0
BODY
TWP 19
50
A
B
Ring Terminal - Zone 11 (Single 3.0)
12103513 005
UPC FNA
12103513
A
B
Ring Terminal - Zone 11 (Double)
12103965 004
UPC FNA
12103965
Positioning/Comfort
Module-Seat Heated/Vented Rear
Page- St Hv Rr - 1
RHSM_GND
&KA6
1150.
BK
0.8
POA_LRSEAT
TWP 7
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Positioning/Comfort
Module-Seat Heated/Vented Rear
Page- St Hv Rr - 1
RHSM2_GND
&KA6
1150.
BK
0.8
POA_LRSEAT
TWP 7
50
Positioning/Comfort
Motor-Seat Fold Tumble Rear Left
Page- St Pwr Rr Ft - 2
FT_MTR_LR_GND
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POA_LRSEAT
TWP 7
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SZ1150
&ARS/KA6
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0.8
POA_LRSEAT
TWP 7
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B J255
B P255
8F GT280 BODY
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BODY
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Lights - Exterior
Lamp - Cargo
Page- Cargo - 1
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BODY
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&36-AG1-AN3
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BK
0.8
BODY
TWP 7
50
&06&ARS-AG1-AN3
1150.
BK
0.8
BODY
TWP 7
50
A
B
Ring Terminal-Zone 11(Single 0.8)
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UPC FNA
12103514
Windows
Switch-Window Rear Left
Page-Mod2 Xud/Mod0 Xud - 2,4/2
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&06/36
1150.
BK
2.0
BODY
TWP 19
50
Windows
Switch-Window Rear Left
Page-Mod2 Xud/Mod0 Xud - 2,4/2
LRWDO_43_GND
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1150.
BK
3.0
BODY
TWP 19
50
VASS
Latch-Global Rear Left
Page- Mod2 - 3/6
1150
LRAJAR_GND
&43&YE9
A
B
Ring Terminal - Zone 11 (Double)
15317690 004
UPC FNA
15317690
VASS
Latch-Global Rear Left
Page- Mod0 - 6
1150
LRAJAR_GND2
&43-YE9
A
B
Ring Terminal (Single 0.5)
15355522 005
UPC FNA
15355522
Ground-Body Zone 11 (06/36/43/53 Only)
900_gnd_zone 001
UPC FNA
M6

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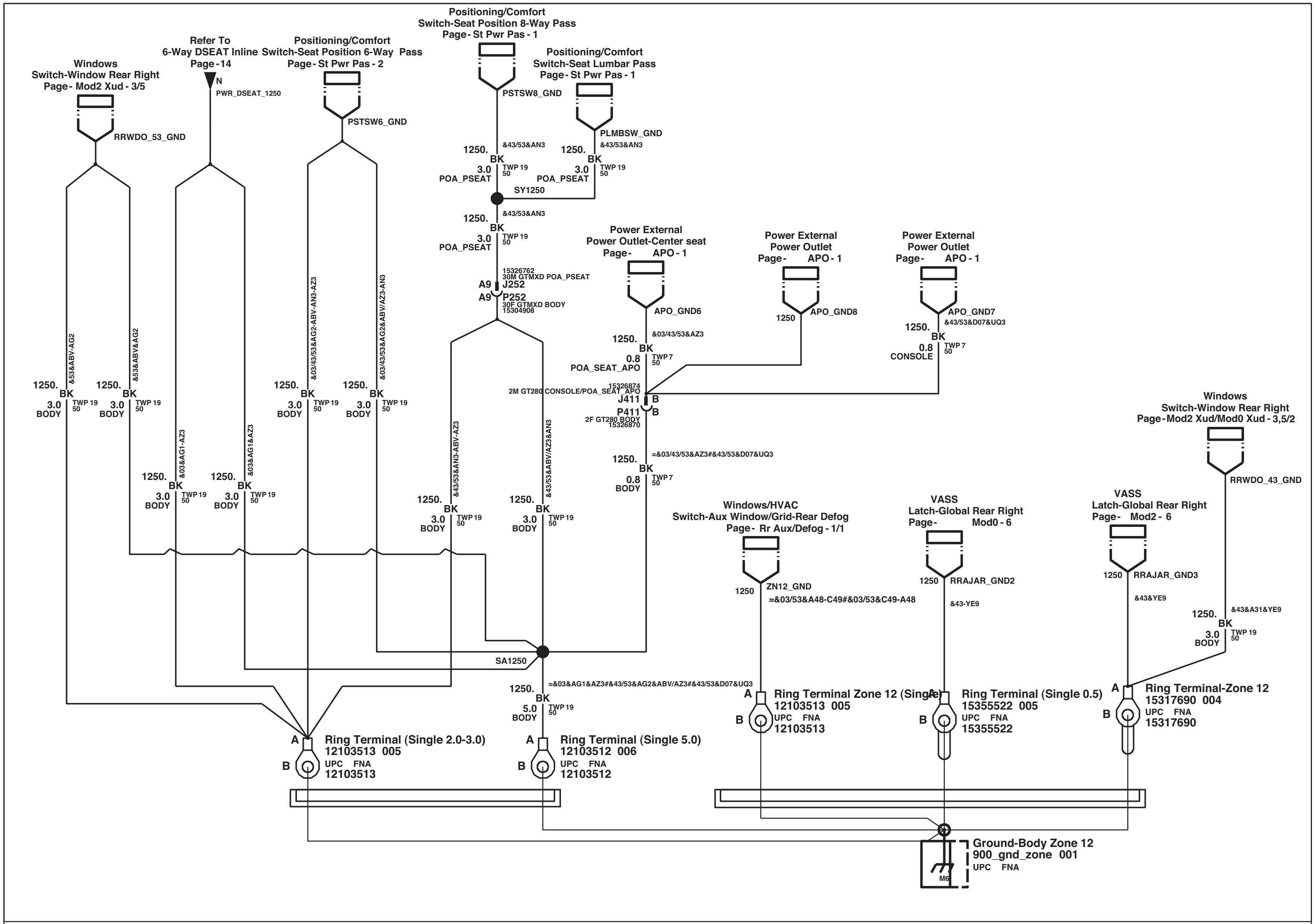
Windows
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Page- Mod2 Xud - 3/5
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6-Way DSEAT Inline
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PWR_DSEAT_1250
Positioning/Comfort
Switch-Seat Position 6-Way Pass
Page- St Pwr Pas - 2
PSTSW6_GND
Positioning/Comfort
Switch-Seat Position 8-Way Pass
Page- St Pwr Pas - 1
PSTSW8_GND
Positioning/Comfort
Switch-Seat Lumbar Pass
Page- St Pwr Pas - 1
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BK
3.0
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A9
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P252
30F GTMXD BODY
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Power External
Power Outlet-Center seat
Page- APO - 1
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TWP 7
POA_SEAT_APO
Power External
Power Outlet
Page- APO - 1
1250
APO_GND8
Power External
Power Outlet
Page- APO - 1
APO_GND7
&43/53&D07&UQ3
CONSOLE
15326874
2M GT280 CONSOLE/POA_SEAT_APO
J411
B
P411
2F GT280 BODY
15326870
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Windows
Switch-Window Rear Right
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RRWDO_43_GND
Windows/HVAC
Switch-Aux Window/Grid-Rear Defog
Page- Rr Aux/Defog - 1/1
ZN12_GND
=&03/53&A48-C49#&03/53&C49-A48
VASS
Latch-Global Rear Right
Page- Mod0 - 6
RRAJAR_GND2
&43-YE9
VASS
Latch-Global Rear Right
Page- Mod2 - 6
RRAJAR_GND3
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SA1250
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A
B
Ring Terminal (Single 2.0-3.0)
12103513 005
UPC FNA
12103513
Ring Terminal (Single 5.0)
12103512 006
UPC FNA
12103512
Ring Terminal Zone 12 (Single)
12103513 005
UPC FNA
12103513
Ring Terminal (Single 0.5)
15355522 005
UPC FNA
15355522
Ring Terminal-Zone 12
15317690 004
UPC FNA
15317690
Ground-Body Zone 12
900_gnd_zone 001
UPC FNA
M6

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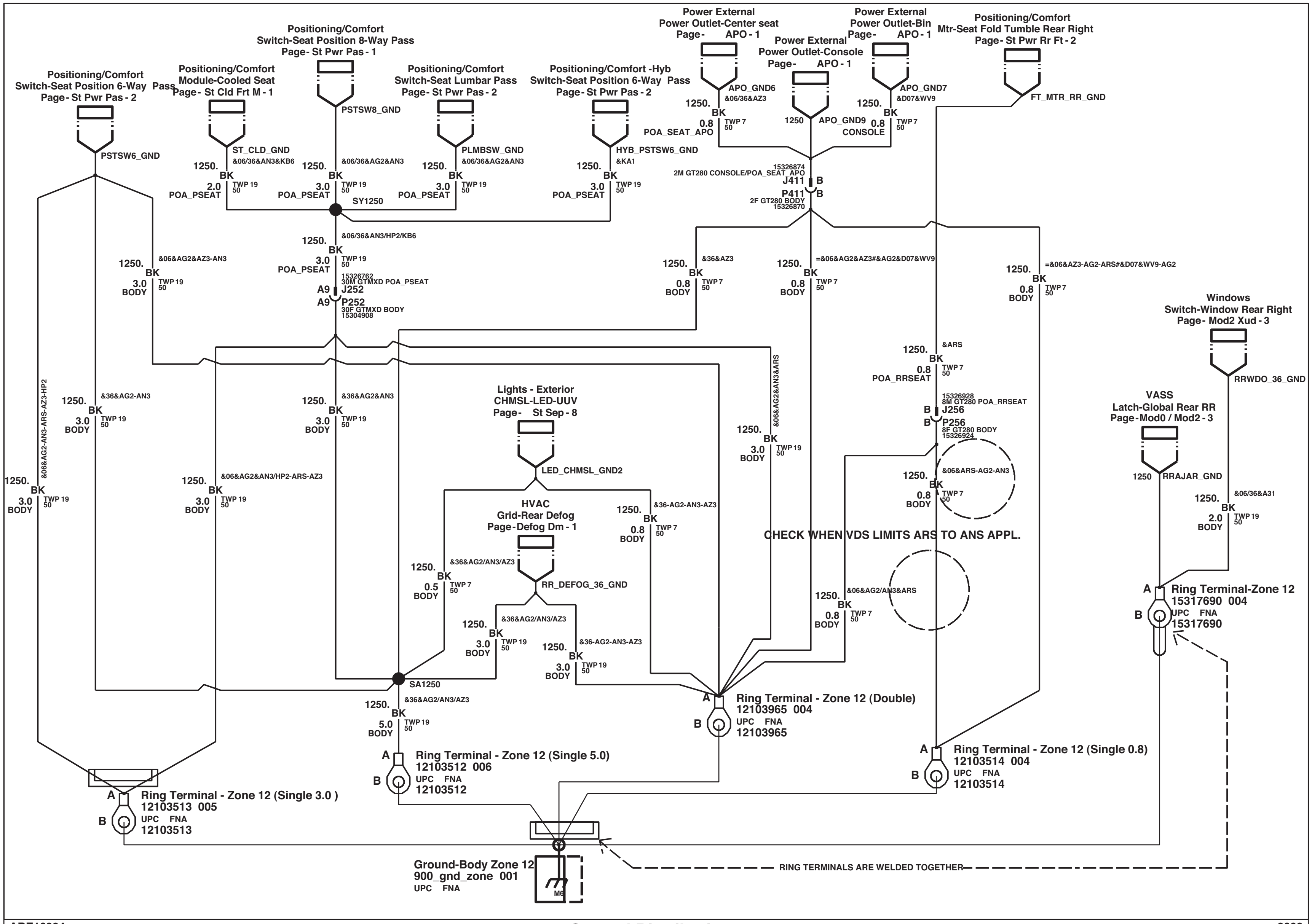
Positioning/Comfort
Switch-Seat Position 6-Way Pass
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Positioning/Comfort
Module-Cooled Seat
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2.0
TWP 19
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POA_PSEAT
Positioning/Comfort
Switch-Seat Position 8-Way Pass
Page- St Pwr Pas - 1
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&06/36&AG2&AN3
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3.0
TWP 19
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POA_PSEAT
SY1250
Positioning/Comfort
Switch-Seat Lumbar Pass
Page- St Pwr Pas - 2
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BK
3.0
TWP 19
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POA_PSEAT
Positioning/Comfort -Hyb
Switch-Seat Position 6-Way Pass
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3.0
TWP 19
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Power External
Power Outlet-Center seat
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TWP 7
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POA_SEAT_APO
Power External
Power Outlet-Console
Page- APO - 1
1250
APO_GND9
CONSOLE
Power External
Power Outlet-Bin
Page- APO - 1
APO_GND7
&D07&WV9
1250.
BK
0.8
TWP 7
50
Positioning/Comfort
Mtr-Seat Fold Tumble Rear Right
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2M GT280 CONSOLE/POA_SEAT_APO
J411 B
P411 B
2F GT280 BODY
15326870
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TWP 19
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POA_PSEAT
15326762
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A9 J252
A9 P252
30F GTMXD BODY
15304908
&06&AG2&AZ3-AN3
1250.
BK
3.0
TWP 19
50
BODY
&36&AZ3
1250.
BK
0.8
TWP 7
50
BODY
=&06&AG2&AZ3#&AG2&D07&WV9
1250.
BK
0.8
TWP 7
50
BODY
=&06&AZ3-AG2-ARS#&D07&WV9-AG2
1250.
BK
0.8
TWP 7
50
BODY
Windows
Switch-Window Rear Right
Page- Mod2 Xud - 3
RRWDO_36_GND
&ARS
1250.
BK
0.8
TWP 7
50
POA_RRSEAT
15326928
8M GT280 POA_RRSEAT
B J256
B P256
8F GT280 BODY
15326924
&06&AG2-AN3-ARS-AZ3-HP2
1250.
BK
3.0
TWP 19
50
BODY
&36&AG2-AN3
1250.
BK
3.0
TWP 19
50
BODY
&36&AG2&AN3
1250.
BK
3.0
TWP 19
50
BODY
&06&AG2&AN3/HP2-ARS-AZ3
1250.
BK
3.0
TWP 19
50
BODY
Lights - Exterior
CHMSL-LED-UUV
Page- St Sep - 8
LED_CHMSL_GND2
&06&AG2&AN3&ARS
1250.
BK
3.0
TWP 19
50
BODY
VASS
Latch-Global Rear RR
Page-Mod0 / Mod2 - 3
1250
RRAJAR_GND
&06&ARS-AG2-AN3
1250.
BK
0.8
TWP 7
50
BODY
&06/36&A31
1250.
BK
2.0
TWP 19
50
BODY
HVAC
Grid-Rear Defog
Page-Defog Dm - 1
RR_DEFOG_36_GND
&36-AG2-AN3-AZ3
1250.
BK
0.8
TWP 7
50
BODY
CHECK WHEN VDS LIMITS ARS TO ANS APPL.
&36&AG2/AN3/AZ3
1250.
BK
0.5
TWP 7
50
BODY
&06&AG2/AN3&ARS
1250.
BK
0.8
TWP 7
50
BODY
A
Ring Terminal-Zone 12
15317690 004
B
UPC FNA
15317690
&36&AG2/AN3/AZ3
1250.
BK
3.0
TWP 19
50
BODY
&36-AG2-AN3-AZ3
1250.
BK
3.0
TWP 19
50
BODY
SA1250
&36&AG2/AN3/AZ3
1250.
BK
5.0
TWP 19
50
BODY
A
Ring Terminal - Zone 12 (Double)
12103965 004
B
UPC FNA
12103965
A
Ring Terminal - Zone 12 (Single 5.0)
12103512 006
B
UPC FNA
12103512
A
Ring Terminal - Zone 12 (Single 0.8)
12103514 004
B
UPC FNA
12103514
A
Ring Terminal - Zone 12 (Single 3.0)
12103513 005
B
UPC FNA
12103513
Ground-Body Zone 12
900_gnd_zone 001
UPC FNA
M6
RING TERMINALS ARE WELDED TOGETHER

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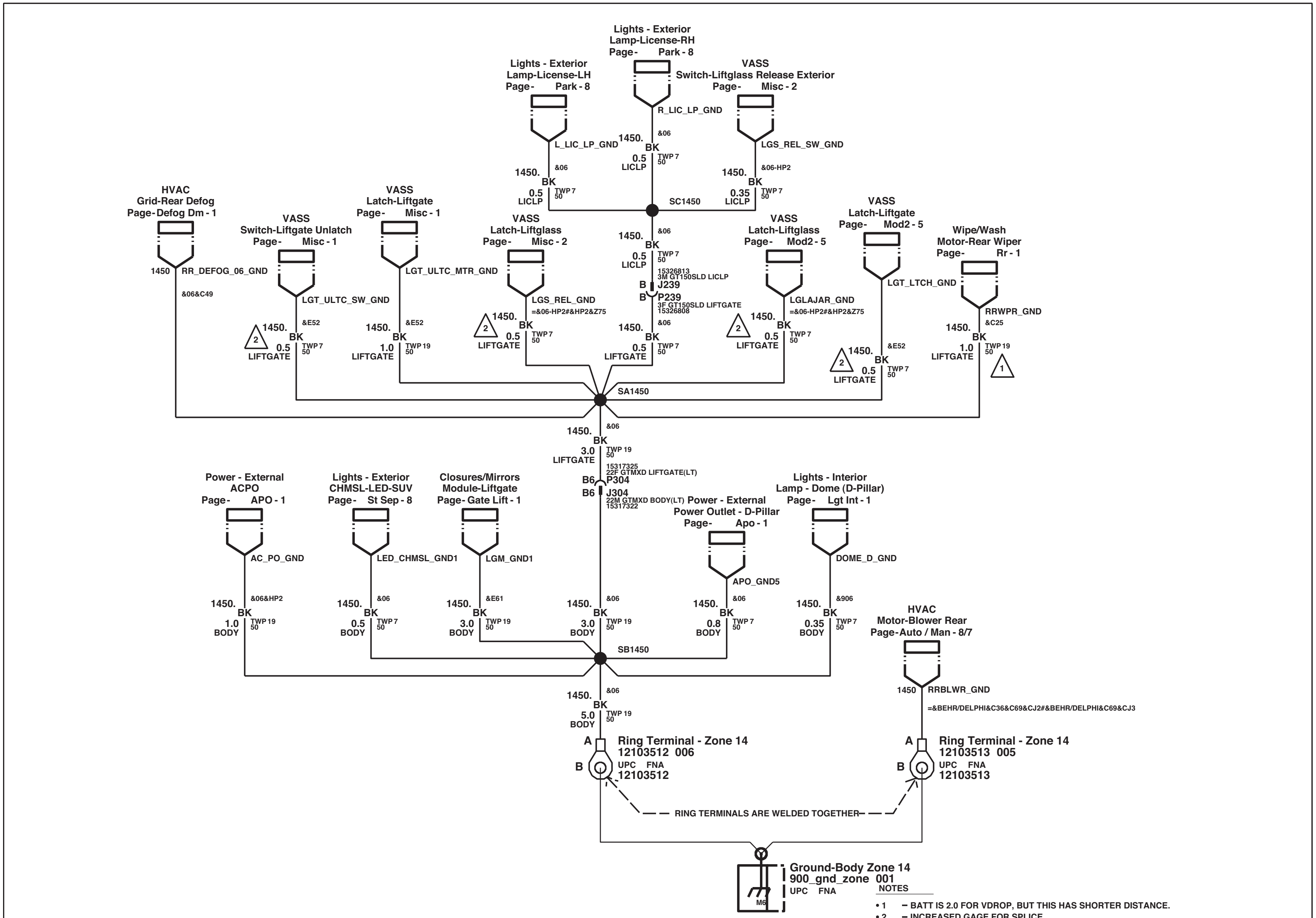
Lights - Exterior
Lamp-License-RH
Page- Park - 8
R_LIC_LP_GND
Lights - Exterior
Lamp-License-LH
Page- Park - 8
L_LIC_LP_GND
VASS
Switch-Liftglass Release Exterior
Page- Misc - 2
LGS_REL_SW_GND
1450. BK 0.5 LICLP &06 TWP 7 50
1450. BK 0.35 LICLP &06-HP2 TWP 7 50
SC1450
1450. BK 0.5 LICLP &06 TWP 7 50
15326813
3M GT150SLD LICLP
B J239
B P239
3F GT150SLD LIFTGATE
15326808
1450. BK 0.5 LIFTGATE &06 TWP 7 50
HVAC
Grid-Rear Defog
Page- Defog Dm - 1
1450 RR_DEFOG_06_GND
&06&C49
VASS
Switch-Liftgate Unlatch
Page- Misc - 1
LGT_ULTC_SW_GND
1450. BK 0.5 LIFTGATE &E52 TWP 7 50
2
VASS
Latch-Liftgate
Page- Misc - 1
LGT_ULTC_MTR_GND
1450. BK 1.0 LIFTGATE &E52 TWP 19 50
VASS
Latch-Liftglass
Page- Misc - 2
LGS_REL_GND
=&06-HP2#&HP2&Z75
1450. BK 0.5 LIFTGATE TWP 7 50
VASS
Latch-Liftglass
Page- Mod2 - 5
LGLAJAR_GND
=&06-HP2#&HP2&Z75
1450. BK 0.5 LIFTGATE TWP 7 50
VASS
Latch-Liftgate
Page- Mod2 - 5
LGT_LTCH_GND
1450. BK 0.5 LIFTGATE &E52 TWP 7 50
Wipe/Wash
Motor-Rear Wiper
Page- Rr - 1
RRWPR_GND
&C25
1450. BK 1.0 LIFTGATE TWP 19 50
1
SA1450
1450. BK 3.0 LIFTGATE &06 TWP 19 50
15317325
22F GTMXD LIFTGATE(LT)
B6 P304
B6 J304
22M GTMXD BODY(LT)
15317322
Power - External
ACPO
Page- APO - 1
AC_PO_GND
1450. BK 1.0 BODY &06&HP2 TWP 19 50
Lights - Exterior
CHMSL-LED-SUV
Page- St Sep - 8
LED_CHMSL_GND1
1450. BK 0.5 BODY &06 TWP 7 50
Closures/Mirrors
Module-Liftgate
Page- Gate Lift - 1
LGM_GND1
1450. BK 3.0 BODY &E61 TWP 19 50
1450. BK 3.0 BODY &06 TWP 19 50
Power - External
Power Outlet - D-Pillar
Page- Apo - 1
APO_GND5
1450. BK 0.8 BODY &06 TWP 7 50
Lights - Interior
Lamp - Dome (D-Pillar)
Page- Lgt Int - 1
DOME_D_GND
1450. BK 0.35 BODY &906 TWP 7 50
SB1450
1450. BK 5.0 BODY &06 TWP 19 50
HVAC
Motor-Blower Rear
Page-Auto / Man - 8/7
1450 RRBLWR_GND
=&BEHR/DELPHI&C36&C69&CJ2#&BEHR/DELPHI&C69&CJ3
A
B
Ring Terminal - Zone 14
12103512 006
UPC FNA
12103512
A
B
Ring Terminal - Zone 14
12103513 005
UPC FNA
12103513
RING TERMINALS ARE WELDED TOGETHER
Ground-Body Zone 14
900_gnd_zone 001
UPC FNA
M6

NOTES
- 1 – BATT IS 2.0 FOR VDROP, BUT THIS HAS SHORTER DISTANCE.
- 2 – INCREASED GAGE FOR SPLICE.

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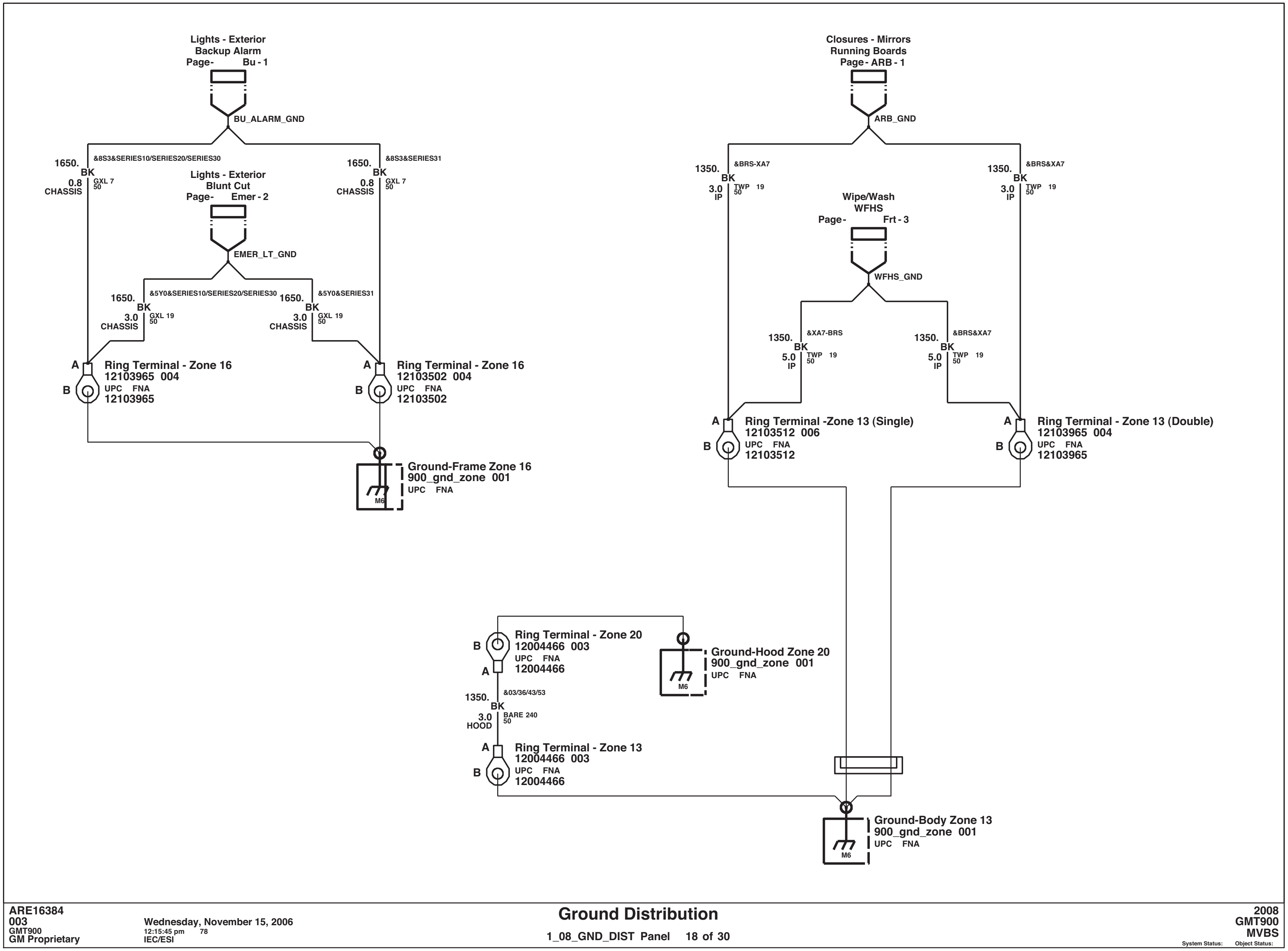
Lights - Exterior
Backup Alarm
Page- Bu - 1
BU_ALARM_GND
1650. BK 0.8 CHASSIS GXL 7 50 &8S3&SERIES10/SERIES20/SERIES30
1650. BK 0.8 CHASSIS GXL 7 50 &8S3&SERIES31
Lights - Exterior
Blunt Cut
Page- Emer - 2
EMER_LT_GND
1650. BK 3.0 CHASSIS GXL 19 50 &5Y0&SERIES10/SERIES20/SERIES30
1650. BK 3.0 CHASSIS GXL 19 50 &5Y0&SERIES31
A B Ring Terminal - Zone 16
12103965 004
UPC FNA
12103965
A B Ring Terminal - Zone 16
12103502 004
UPC FNA
12103502
Ground-Frame Zone 16
900_gnd_zone 001
UPC FNA
M6
Closures - Mirrors
Running Boards
Page- ARB - 1
ARB_GND
1350. BK 3.0 IP TWP 19 50 &BRS-XA7
1350. BK 3.0 IP TWP 19 50 &BRS&XA7
Wipe/Wash
WFHS
Page- Frt - 3
WFHS_GND
1350. BK 5.0 IP TWP 19 50 &XA7-BRS
1350. BK 5.0 IP TWP 19 50 &BRS&XA7
A B Ring Terminal -Zone 13 (Single)
12103512 006
UPC FNA
12103512
A B Ring Terminal - Zone 13 (Double)
12103965 004
UPC FNA
12103965
B A Ring Terminal - Zone 20
12004466 003
UPC FNA
12004466
Ground-Hood Zone 20
900_gnd_zone 001
UPC FNA
M6
1350. BK 3.0 HOOD BARE 240 50 &03/36/43/53
A B Ring Terminal - Zone 13
12004466 003
UPC FNA
12004466
Ground-Body Zone 13
900_gnd_zone 001
UPC FNA
M6
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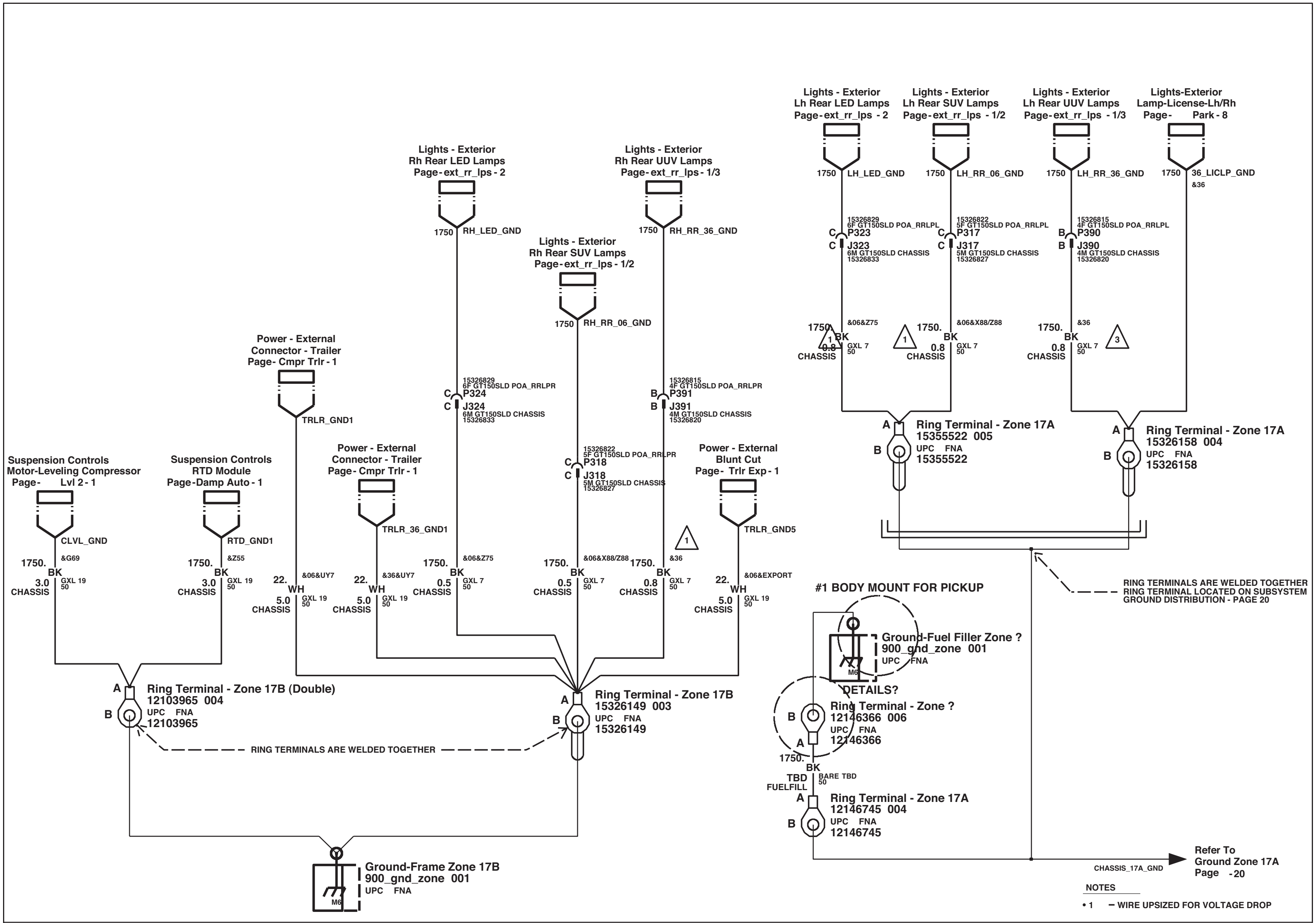
Lights - Exterior
Lh Rear LED Lamps
Page- ext_rr_lps - 2
Lights - Exterior
Lh Rear SUV Lamps
Page- ext_rr_lps - 1/2
Lights - Exterior
Lh Rear UUV Lamps
Page- ext_rr_lps - 1/3
Lights-Exterior
Lamp-License-Lh/Rh
Page- Park - 8
1750 LH_LED_GND
1750 LH_RR_06_GND
1750 LH_RR_36_GND
1750 36_LICLP_GND
&36
15326829
6F GT150SLD POA_RRLPL
C P323
C J323
6M GT150SLD CHASSIS
15326833
15326822
5F GT150SLD POA_RRLPL
C P317
C J317
5M GT150SLD CHASSIS
15326827
15326815
4F GT150SLD POA_RRLPL
B P390
B J390
4M GT150SLD CHASSIS
15326820
&06&Z75
1750. BK 0.8 CHASSIS GXL 7 50
1
&06&X88/Z88
1
1750. BK 0.8 CHASSIS GXL 7 50
&36
1750. BK 0.8 CHASSIS GXL 7 50
3
A
B
Ring Terminal - Zone 17A
15355522 005
UPC FNA
15355522
A
B
Ring Terminal - Zone 17A
15326158 004
UPC FNA
15326158
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 20
Lights - Exterior
Rh Rear LED Lamps
Page- ext_rr_lps - 2
1750 RH_LED_GND
Lights - Exterior
Rh Rear UUV Lamps
Page- ext_rr_lps - 1/3
1750 RH_RR_36_GND
Lights - Exterior
Rh Rear SUV Lamps
Page- ext_rr_lps - 1/2
1750 RH_RR_06_GND
Power - External
Connector - Trailer
Page- Cmpr Trlr - 1
TRLR_GND1
15326829
6F GT150SLD POA_RRLPR
C P324
C J324
6M GT150SLD CHASSIS
15326833
15326815
4F GT150SLD POA_RRLPR
B P391
B J391
4M GT150SLD CHASSIS
15326820
15326822
5F GT150SLD POA_RRLPR
C P318
C J318
5M GT150SLD CHASSIS
15326827
Suspension Controls
Motor-Leveling Compressor
Page- Lvl 2 - 1
Suspension Controls
RTD Module
Page-Damp Auto - 1
Power - External
Connector - Trailer
Page- Cmpr Trlr - 1
Power - External
Blunt Cut
Page- Trlr Exp - 1
CLVL_GND
RTD_GND1
TRLR_36_GND1
TRLR_GND5
1
&G69
1750. BK 3.0 CHASSIS GXL 19 50
&Z55
1750. BK 3.0 CHASSIS GXL 19 50
&06&UY7
22. WH 5.0 CHASSIS GXL 19 50
&36&UY7
22. WH 5.0 CHASSIS GXL 19 50
&06&Z75
1750. BK 0.5 CHASSIS GXL 7 50
&06&X88/Z88
1750. BK 0.5 CHASSIS GXL 7 50
&36
1750. BK 0.8 CHASSIS GXL 7 50
&06&EXPORT
22. WH 5.0 CHASSIS GXL 19 50
A
B
Ring Terminal - Zone 17B (Double)
12103965 004
UPC FNA
12103965
A
B
Ring Terminal - Zone 17B
15326149 003
UPC FNA
15326149
RING TERMINALS ARE WELDED TOGETHER
Ground-Frame Zone 17B
900_gnd_zone 001
UPC FNA
M6
#1 BODY MOUNT FOR PICKUP
Ground-Fuel Filler Zone ?
900_gnd_zone 001
UPC FNA
M6
DETAILS?
B
A
Ring Terminal - Zone ?
12146366 006
UPC FNA
12146366
1750. BK TBD FUELFILL BARE TBD 50
A
B
Ring Terminal - Zone 17A
12146745 004
UPC FNA
12146745
CHASSIS_17A_GND
Refer To
Ground Zone 17A
Page -20
NOTES
• 1 – WIRE UPSIZED FOR VOLTAGE DROP

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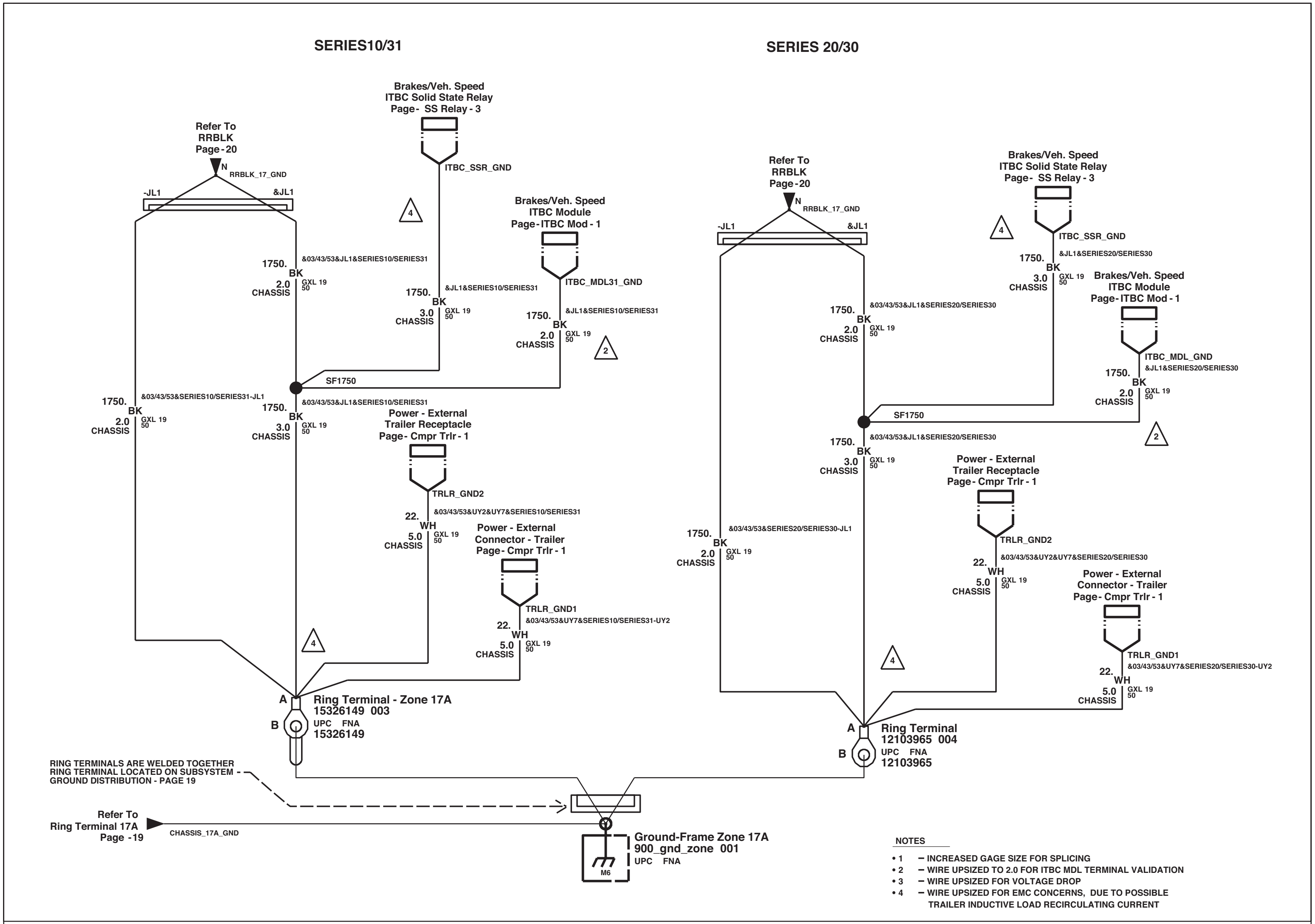
SERIES10/31
SERIES 20/30
Brakes/Veh. Speed
ITBC Solid State Relay
Page- SS Relay - 3
ITBC_SSR_GND
Refer To
RRBLK
Page - 20
N
RRBLK_17_GND
-JL1
&JL1
4
Brakes/Veh. Speed
ITBC Module
Page - ITBC Mod - 1
ITBC_MDL31_GND
1750.
BK
2.0
CHASSIS
GXL 19
50
&03/43/53&JL1&SERIES10/SERIES31
&JL1&SERIES10/SERIES31
1750.
BK
3.0
CHASSIS
2
SF1750
&03/43/53&SERIES10/SERIES31-JL1
Power - External
Trailer Receptacle
Page - Cmpr Trlr - 1
TRLR_GND2
22.
WH
5.0
&03/43/53&UY2&UY7&SERIES10/SERIES31
Power - External
Connector - Trailer
Page - Cmpr Trlr - 1
TRLR_GND1
&03/43/53&UY7&SERIES10/SERIES31-UY2
A
B
Ring Terminal - Zone 17A
15326149 003
UPC FNA
15326149
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 19
Refer To
Ring Terminal 17A
Page -19
CHASSIS_17A_GND
Ground-Frame Zone 17A
900_gnd_zone 001
UPC FNA
M6
&JL1&SERIES20/SERIES30
&03/43/53&JL1&SERIES20/SERIES30
ITBC_MDL_GND
&03/43/53&SERIES20/SERIES30-JL1
&03/43/53&UY2&UY7&SERIES20/SERIES30
&03/43/53&UY7&SERIES20/SERIES30-UY2
Ring Terminal
12103965 004
UPC FNA
12103965

NOTES
- 1 – INCREASED GAGE SIZE FOR SPLICING
- 2 – WIRE UPSIZED TO 2.0 FOR ITBC MDL TERMINAL VALIDATION
- 3 – WIRE UPSIZED FOR VOLTAGE DROP
- 4 – WIRE UPSIZED FOR EMC CONCERNS, DUE TO POSSIBLE TRAILER INDUCTIVE LOAD RECIRCULATING CURRENT

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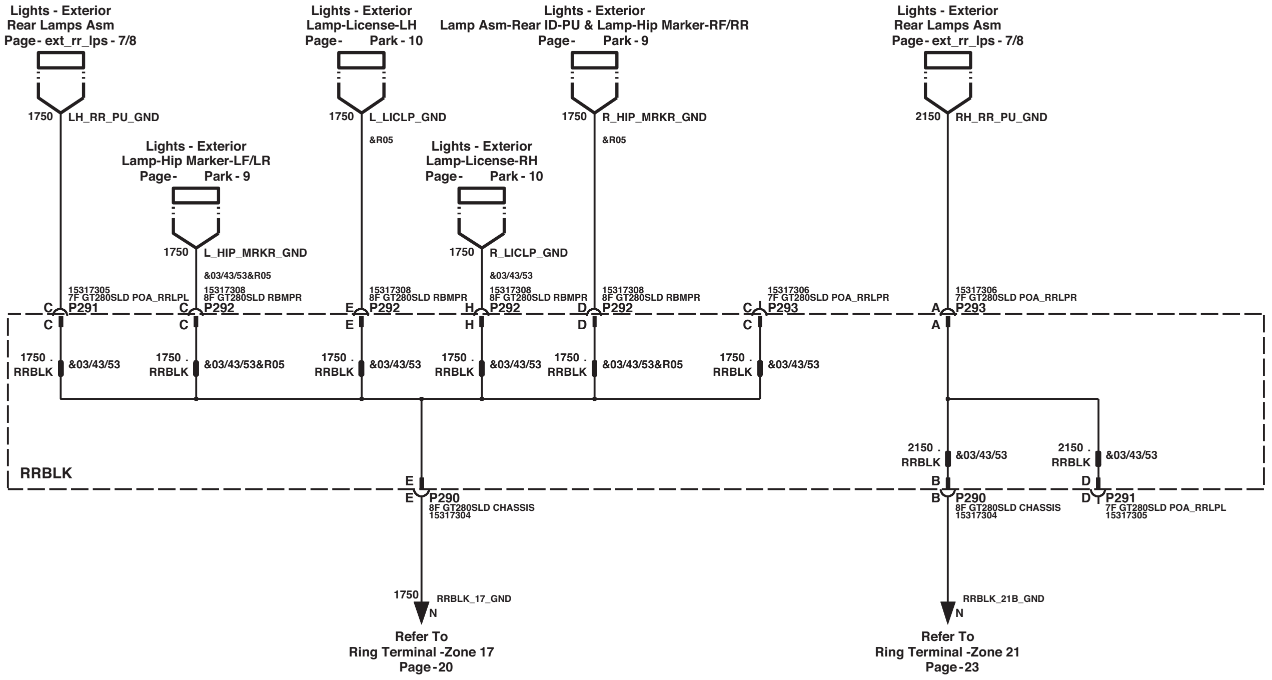
Lights - Exterior
Rear Lamps Asm
Page - ext_rr_lps - 7/8
1750 LH_RR_PU_GND
Lights - Exterior
Lamp-License-LH
Page - Park - 10
1750 L_LICLP_GND
&R05
Lights - Exterior
Lamp Asm-Rear ID-PU & Lamp-Hip Marker-RF/RR
Page - Park - 9
1750 R_HIP_MRKR_GND
&R05
Lights - Exterior
Rear Lamps Asm
Page - ext_rr_lps - 7/8
2150 RH_RR_PU_GND
Lights - Exterior
Lamp-Hip Marker-LF/LR
Page - Park - 9
1750 L_HIP_MRKR_GND
&03/43/53&R05
Lights - Exterior
Lamp-License-RH
Page - Park - 10
1750 R_LICLP_GND
&03/43/53
15317305
7F GT280SLD POA_RRLPL
C P291 C
15317308
8F GT280SLD RBMPR
C P292 C
15317308
8F GT280SLD RBMPR
E P292 E
15317308
8F GT280SLD RBMPR
H P292 H
15317308
8F GT280SLD RBMPR
D P292 D
15317306
7F GT280SLD POA_RRLPR
C P293 C
15317306
7F GT280SLD POA_RRLPR
A P293 A
1750 . RRBLK &03/43/53
1750 . RRBLK &03/43/53&R05
1750 . RRBLK &03/43/53
1750 . RRBLK &03/43/53
1750 . RRBLK &03/43/53&R05
1750 . RRBLK &03/43/53
2150 . RRBLK &03/43/53
2150 . RRBLK &03/43/53
RRBLK
E P290 E
8F GT280SLD CHASSIS
15317304
B P290 B
8F GT280SLD CHASSIS
15317304
D P291 D
7F GT280SLD POA_RRLPL
15317305
1750 RRBLK_17_GND
N
Refer To
Ring Terminal -Zone 17
Page - 20
RRBLK_21B_GND
N
Refer To
Ring Terminal -Zone 21
Page - 23

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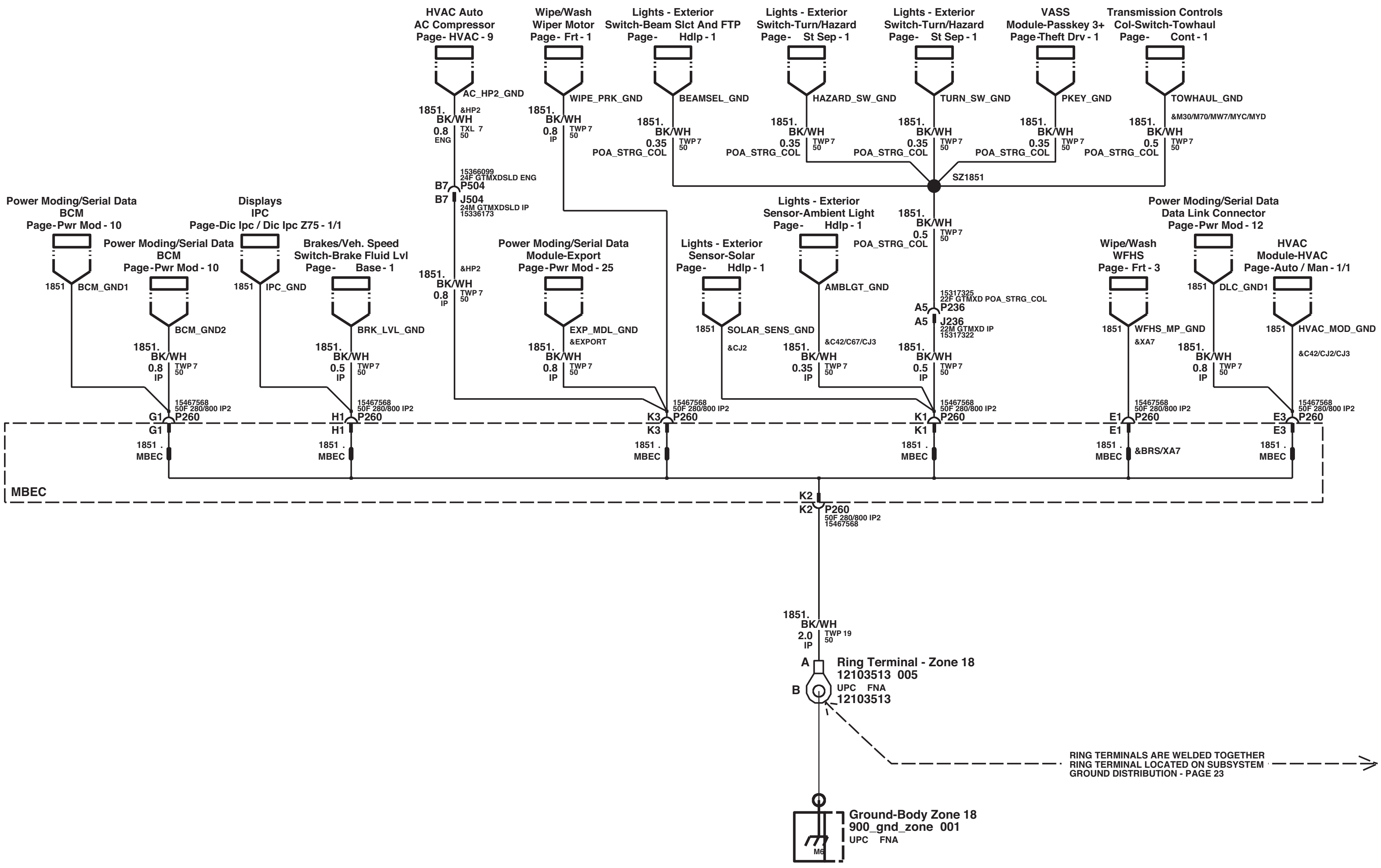
HVAC Auto
AC Compressor
Page- HVAC - 9
AC_HP2_GND
1851. BK/WH 0.8 ENG TXL 7 50 &HP2
15366099 24F GTMXDSLD ENG
B7 P504
B7 J504
24M GTMXDSLD IP 15336173
Wipe/Wash
Wiper Motor
Page- Frt - 1
WIPE_PRK_GND
1851. BK/WH 0.8 IP TWP 7 50
Lights - Exterior
Switch-Beam Slct And FTP
Page- Hdlp - 1
BEAMSEL_GND
Lights - Exterior
Switch-Turn/Hazard
Page- St Sep - 1
HAZARD_SW_GND
Lights - Exterior
Switch-Turn/Hazard
Page- St Sep - 1
TURN_SW_GND
VASS
Module-Passkey 3+
Page-Theft Drv - 1
PKEY_GND
Transmission Controls
Col-Switch-Towhaul
Page- Cont - 1
TOWHAUL_GND
&M30/M70/MW7/MYC/MYD
1851. BK/WH 0.35 TWP 7 50 POA_STRG_COL
1851. BK/WH 0.5 TWP 7 50 POA_STRG_COL
SZ1851
Power Moding/Serial Data
BCM
Page-Pwr Mod - 10
1851 BCM_GND1
Power Moding/Serial Data
BCM
Page-Pwr Mod - 10
BCM_GND2
1851. BK/WH 0.8 IP TWP 7 50
Displays
IPC
Page-Dic Ipc / Dic Ipc Z75 - 1/1
1851 IPC_GND
Brakes/Veh. Speed
Switch-Brake Fluid Lvl
Page- Base - 1
BRK_LVL_GND
1851. BK/WH 0.5 IP TWP 7 50
1851. BK/WH 0.8 IP TWP 7 50 &HP2
Power Moding/Serial Data
Module-Export
Page-Pwr Mod - 25
EXP_MDL_GND
&EXPORT
1851. BK/WH 0.8 IP TWP 7 50
Lights - Exterior
Sensor-Solar
Page- Hdlp - 1
1851 SOLAR_SENS_GND
&CJ2
Lights - Exterior
Sensor-Ambient Light
Page- Hdlp - 1
AMBLGT_GND
&C42/C67/CJ3
1851. BK/WH 0.35 IP TWP 7 50
1851. BK/WH 0.5 TWP 7 50 POA_STRG_COL
15317325 22F GTMXD POA_STRG_COL
A5 P236
A5 J236
22M GTMXD IP 15317322
1851. BK/WH 0.5 IP TWP 7 50
Power Moding/Serial Data
Data Link Connector
Page-Pwr Mod - 12
1851 DLC_GND1
1851. BK/WH 0.8 IP TWP 7 50
Wipe/Wash
WFHS
Page- Frt - 3
1851 WFHS_MP_GND
&XA7
HVAC
Module-HVAC
Page-Auto / Man - 1/1
1851 HVAC_MOD_GND
&C42/CJ2/CJ3
15467568 50F 280/800 IP2
G1 P260 G1
H1 P260 H1
K3 P260 K3
K1 P260 K1
E1 P260 E1
E3 P260 E3
1851 . MBEC
&BRS/XA7
MBEC
K2 P260 K2
50F 280/800 IP2 15467568
1851. BK/WH 2.0 IP TWP 19 50
A
B
Ring Terminal - Zone 18
12103513 005
UPC FNA
12103513
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 23
Ground-Body Zone 18
900_gnd_zone 001
UPC FNA
M6

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System Status: Object Status:

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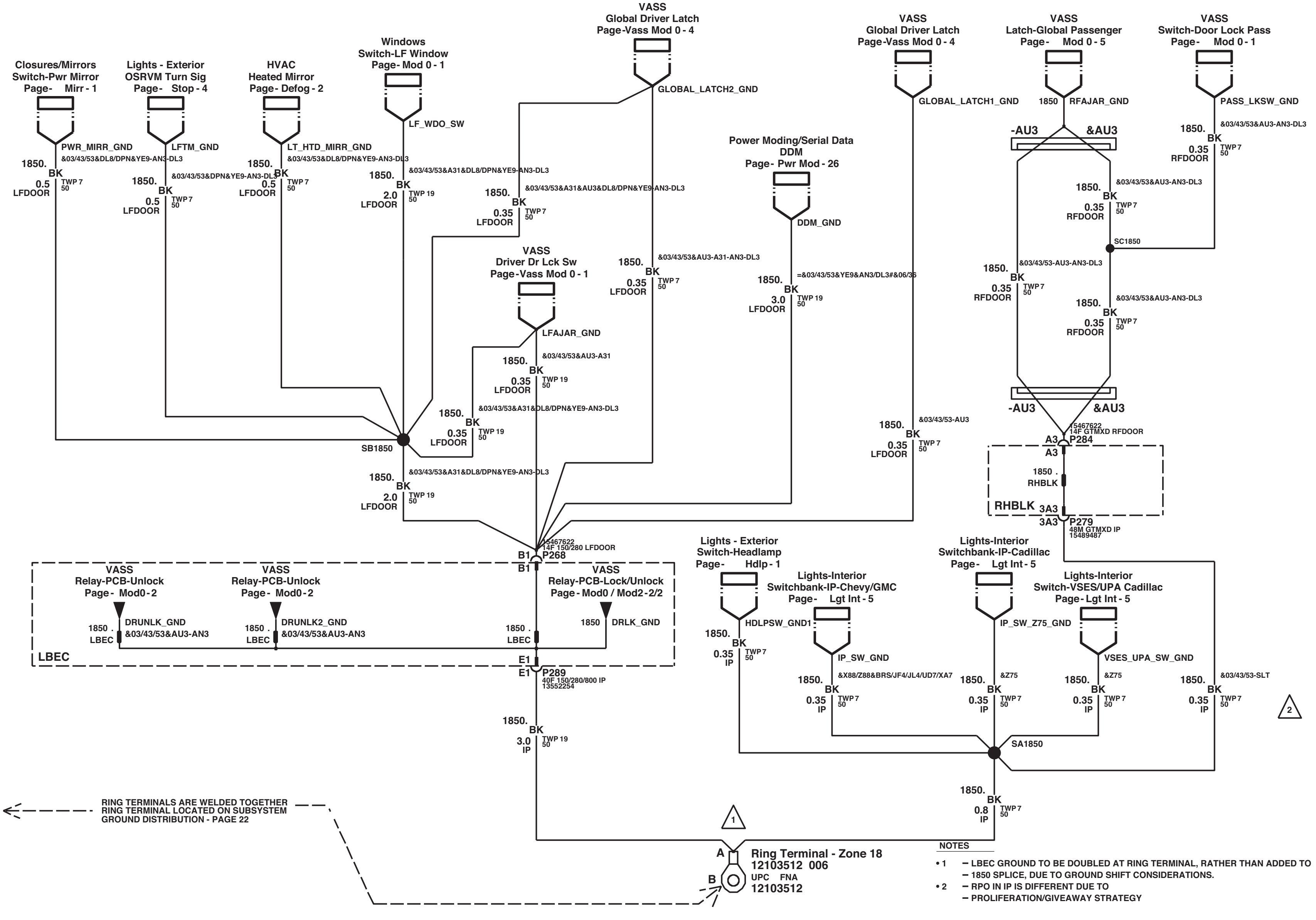
Closures/Mirrors
Switch-Pwr Mirror
Page- Mirr - 1
PWR_MIRR_GND
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1850.
BK
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LFDOOR
TWP 7
50
Lights - Exterior
OSRVM Turn Sig
Page- Stop - 4
LFTM_GND
&03/43/53&DPN&YE9-AN3-DL3
1850.
BK
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LFDOOR
TWP 7
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HVAC
Heated Mirror
Page- Defog - 2
LT_HTD_MIRR_GND
&03/43/53&DL8/DPN&YE9-AN3-DL3
1850.
BK
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LFDOOR
TWP 7
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Windows
Switch-LF Window
Page- Mod 0 - 1
LF_WDO_SW
&03/43/53&A31&DL8/DPN&YE9-AN3-DL3
1850.
BK
2.0
LFDOOR
TWP 19
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&03/43/53&A31&AU3&DL8/DPN&YE9-AN3-DL3
1850.
BK
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LFDOOR
TWP 7
50
VASS
Global Driver Latch
Page-Vass Mod 0 - 4
GLOBAL_LATCH2_GND
&03/43/53&AU3-A31-AN3-DL3
1850.
BK
0.35
LFDOOR
TWP 7
50
VASS
Driver Dr Lck Sw
Page-Vass Mod 0 - 1
LFAJAR_GND
&03/43/53&AU3-A31
1850.
BK
0.35
LFDOOR
TWP 19
50
&03/43/53&A31&DL8/DPN&YE9-AN3-DL3
1850.
BK
0.35
LFDOOR
TWP 19
50
SB1850
&03/43/53&A31&DL8/DPN&YE9-AN3-DL3
1850.
BK
2.0
LFDOOR
TWP 19
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Power Moding/Serial Data
DDM
Page- Pwr Mod - 26
DDM_GND
=&03/43/53&YE9&AN3/DL3#&06/36
1850.
BK
3.0
LFDOOR
TWP 19
50
VASS
Global Driver Latch
Page-Vass Mod 0 - 4
GLOBAL_LATCH1_GND
&03/43/53-AU3
1850.
BK
0.35
LFDOOR
TWP 7
50
VASS
Latch-Global Passenger
Page- Mod 0 - 5
1850
RFAJAR_GND
-AU3
&AU3
&03/43/53-AU3-AN3-DL3
1850.
BK
0.35
RFDOOR
TWP 7
50
&03/43/53&AU3-AN3-DL3
1850.
BK
0.35
RFDOOR
TWP 7
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SC1850
&03/43/53&AU3-AN3-DL3
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BK
0.35
RFDOOR
TWP 7
50
VASS
Switch-Door Lock Pass
Page- Mod 0 - 1
PASS_LKSW_GND
&03/43/53&AU3-AN3-DL3
1850.
BK
0.35
RFDOOR
TWP 7
50
-AU3
&AU3
15467622
14F GTMXD RFDOOR
A3
P284
A3
1850 .
RHBLK
RHBLK
3A3
3A3
P279
48M GTMXD IP
15489487
15467622
14F 150/280 LFDOOR
B1
P268
B1
VASS
Relay-PCB-Unlock
Page- Mod0 - 2
DRUNLK_GND
1850 .
LBEC
&03/43/53&AU3-AN3
VASS
Relay-PCB-Unlock
Page- Mod0 - 2
DRUNLK2_GND
1850 .
LBEC
&03/43/53&AU3-AN3
1850 .
LBEC
VASS
Relay-PCB-Lock/Unlock
Page - Mod0 / Mod2 - 2/2
1850
DRLK_GND
LBEC
E1
E1
P289
40F 150/280/800 IP
13552254
1850.
BK
3.0
IP
TWP 19
50
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 22
Lights - Exterior
Switch-Headlamp
Page- Hdlp - 1
HDLPSW_GND1
1850.
BK
0.35
IP
TWP 7
50
Lights-Interior
Switchbank-IP-Chevy/GMC
Page- Lgt Int - 5
IP_SW_GND
&X88/Z88&BRS/JF4/JL4/UD7/XA7
1850.
BK
0.35
IP
TWP 7
50
Lights-Interior
Switchbank-IP-Cadillac
Page- Lgt Int - 5
IP_SW_Z75_GND
&Z75
1850.
BK
0.35
IP
TWP 7
50
Lights-Interior
Switch-VSES/UPA Cadillac
Page- Lgt Int - 5
VSES_UPA_SW_GND
&Z75
1850.
BK
0.35
IP
TWP 7
50
&03/43/53-SLT
1850.
BK
0.35
IP
TWP 7
50
2
SA1850
1850.
BK
0.8
IP
TWP 7
50
1
A
B
Ring Terminal - Zone 18
12103512 006
UPC FNA
12103512

NOTES

- • 1 – LBEC GROUND TO BE DOUBLED AT RING TERMINAL, RATHER THAN ADDED TO
  – 1850 SPLICE, DUE TO GROUND SHIFT CONSIDERATIONS.
- • 2 – RPO IN IP IS DIFFERENT DUE TO
  – PROLIFERATION/GIVEAWAY STRATEGY

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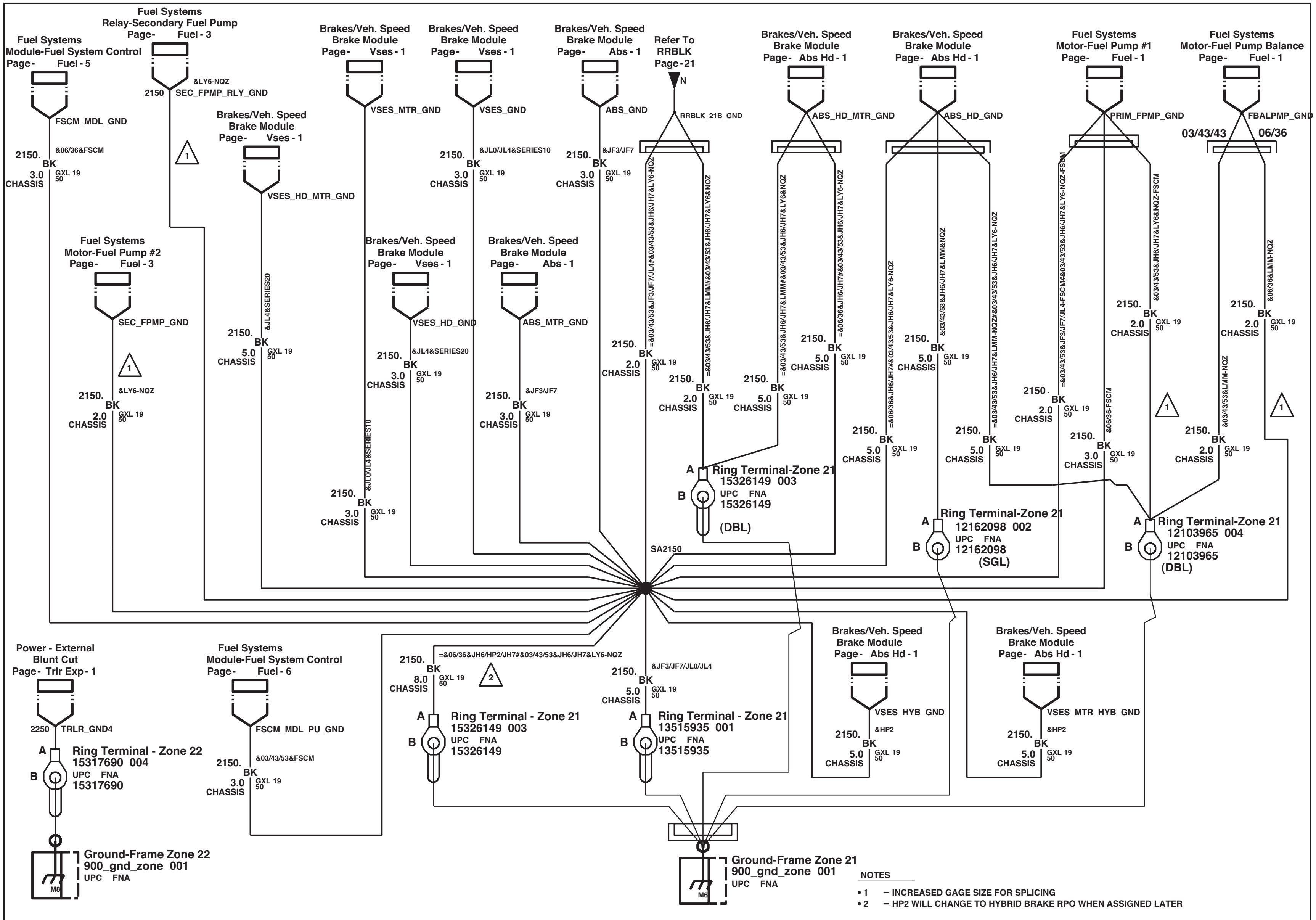
Fuel Systems
Module-Fuel System Control
Page- Fuel - 5
FSCM_MDL_GND
&06/36&FSCM
2150.
BK
3.0
CHASSIS
GXL 19
50
Fuel Systems
Relay-Secondary Fuel Pump
Page- Fuel - 3
&LY6-NQZ
2150 SEC_FPMP_RLY_GND
1
Fuel Systems
Motor-Fuel Pump #2
Page- Fuel - 3
SEC_FPMP_GND
1
&LY6-NQZ
2150.
BK
2.0
CHASSIS
GXL 19
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Brakes/Veh. Speed
Brake Module
Page- Vses - 1
VSES_HD_MTR_GND
&JL4&SERIES20
2150.
BK
5.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Vses - 1
VSES_MTR_GND
&JL0/JL4&SERIES10
2150.
BK
3.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Vses - 1
VSES_GND
&JL0/JL4&SERIES10
2150.
BK
3.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Vses - 1
VSES_HD_GND
&JL4&SERIES20
2150.
BK
3.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Abs - 1
ABS_GND
&JF3/JF7
2150.
BK
3.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Abs - 1
ABS_MTR_GND
&JF3/JF7
2150.
BK
3.0
CHASSIS
GXL 19
50
Refer To
RRBLK
Page - 21
N
RRBLK_21B_GND
=&03/43/53&JF3/JF7/JL4#&03/43/53&JH6/JH7&LY6-NQZ
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BK
2.0
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GXL 19
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2150.
BK
2.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Abs Hd - 1
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2150.
BK
5.0
CHASSIS
GXL 19
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2150.
BK
5.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Abs Hd - 1
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BK
5.0
CHASSIS
GXL 19
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BK
5.0
CHASSIS
GXL 19
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2150.
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5.0
CHASSIS
GXL 19
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Fuel Systems
Motor-Fuel Pump #1
Page- Fuel - 1
PRIM_FPMP_GND
03/43/43
=&03/43/53&JF3/JF7/JL4-FSCM#&03/43/53&JH6/JH7&LY6-NQZ-FSCM
2150.
BK
2.0
CHASSIS
GXL 19
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&06/36-FSCM
2150.
BK
3.0
CHASSIS
GXL 19
50
1
&03/43/53&JH6/JH7&LY6&NQZ-FSCM
2150.
BK
2.0
CHASSIS
GXL 19
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Fuel Systems
Motor-Fuel Pump Balance
Page- Fuel - 1
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BK
2.0
CHASSIS
GXL 19
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&03/43/53&LMM-NQZ
2150.
BK
2.0
CHASSIS
GXL 19
50
1
A
Ring Terminal-Zone 21
15326149 003
B
UPC FNA
15326149
(DBL)
A
Ring Terminal-Zone 21
12162098 002
B
UPC FNA
12162098
(SGL)
A
Ring Terminal-Zone 21
12103965 004
B
UPC FNA
12103965
(DBL)
SA2150
Power - External
Blunt Cut
Page- Trlr Exp - 1
2250 TRLR_GND4
A
Ring Terminal - Zone 22
15317690 004
B
UPC FNA
15317690
Ground-Frame Zone 22
900_gnd_zone 001
UPC FNA
M8
Fuel Systems
Module-Fuel System Control
Page- Fuel - 6
FSCM_MDL_PU_GND
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BK
3.0
CHASSIS
GXL 19
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=&06/36&JH6/HP2/JH7#&03/43/53&JH6/JH7&LY6-NQZ
2150.
BK
8.0
CHASSIS
GXL 19
50
2
A
Ring Terminal - Zone 21
15326149 003
B
UPC FNA
15326149
&JF3/JF7/JL0/JL4
2150.
BK
5.0
CHASSIS
GXL 19
50
A
Ring Terminal - Zone 21
13515935 001
B
UPC FNA
13515935
Brakes/Veh. Speed
Brake Module
Page- Abs Hd - 1
VSES_HYB_GND
&HP2
2150.
BK
5.0
CHASSIS
GXL 19
50
Brakes/Veh. Speed
Brake Module
Page- Abs Hd - 1
VSES_MTR_HYB_GND
&HP2
2150.
BK
5.0
CHASSIS
GXL 19
50
Ground-Frame Zone 21
900_gnd_zone 001
UPC FNA
M6

NOTES

- 1 – INCREASED GAGE SIZE FOR SPLICING
- 2 – HP2 WILL CHANGE TO HYBRID BRAKE RPO WHEN ASSIGNED LATER

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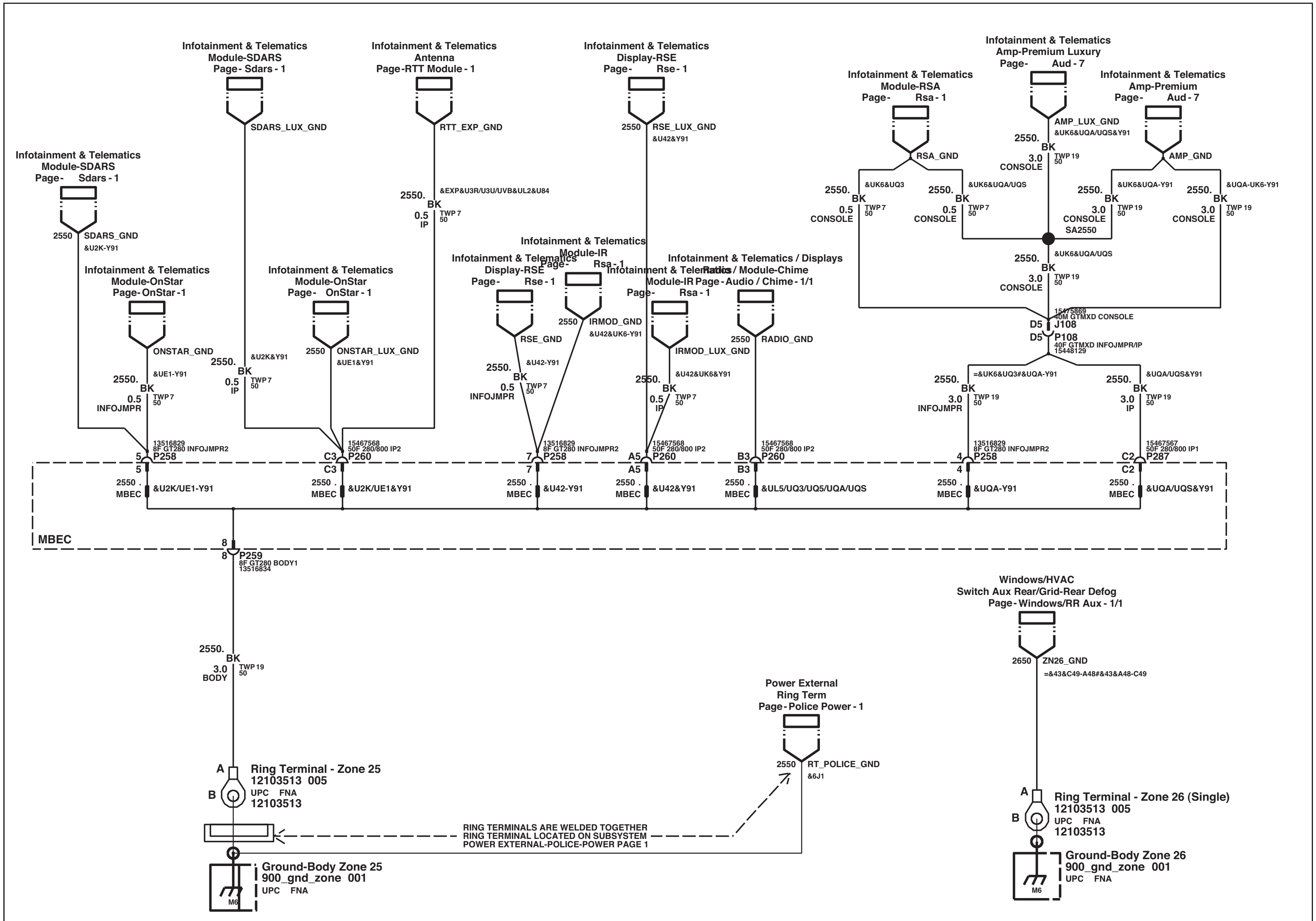
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SDARS_LUX_GND
Infotainment & Telematics Antenna Page-RTT Module - 1
RTT_EXP_GND
&EXP&U3R/U3U/UVB&UL2&U84
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Infotainment & Telematics Display-RSE Page- Rse - 1
2550 RSE_LUX_GND
&U42&Y91
Infotainment & Telematics Module-SDARS Page- Sdars - 1
2550 SDARS_GND
&U2K-Y91
Infotainment & Telematics Module-OnStar Page- OnStar - 1
ONSTAR_GND
&UE1-Y91
2550. BK 0.5 INFOJMPR TWP 7 50
&U2K&Y91
2550. BK 0.5 IP TWP 7 50
Infotainment & Telematics Module-OnStar Page- OnStar - 1
2550 ONSTAR_LUX_GND
&UE1&Y91
Infotainment & Telematics Display-RSE Page- Rse - 1
RSE_GND
&U42-Y91
2550. BK 0.5 INFOJMPR TWP 7 50
Infotainment & Telematics Module-IR Page- Rsa - 1
2550 IRMOD_GND
&U42&UK6-Y91
Infotainment & Telematics Module-IR Page- Rsa - 1
IRMOD_LUX_GND
&U42&UK6&Y91
2550. BK 0.5 IP TWP 7 50
Infotainment & Telematics / Displays Radios / Module-Chime Page - Audio / Chime - 1/1
2550 RADIO_GND
Infotainment & Telematics Module-RSA Page- Rsa - 1
RSA_GND
&UK6&UQ3
2550. BK 0.5 CONSOLE TWP 7 50
&UK6&UQA/UQS
2550. BK 0.5 CONSOLE TWP 7 50
Infotainment & Telematics Amp-Premium Luxury Page- Aud - 7
AMP_LUX_GND
&UK6&UQA/UQS&Y91
2550. BK 3.0 CONSOLE TWP 19 50
Infotainment & Telematics Amp-Premium Page- Aud - 7
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&UQA-UK6-Y91
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SA2550
&UK6&UQA/UQS
2550. BK 3.0 CONSOLE TWP 19 50
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D5 J108
D5 P108
40F GTMXD INFOJMPR/IP 15448129
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&UQA/UQS&Y91
2550. BK 3.0 IP TWP 19 50
13516829 8F GT280 INFOJMPR2
5 P258
5
2550 . MBEC &U2K/UE1-Y91
15467568 50F 280/800 IP2
C3 P260
C3
2550 . MBEC &U2K/UE1&Y91
13516829 8F GT280 INFOJMPR2
7 P258
7
2550 . MBEC &U42-Y91
15467568 50F 280/800 IP2
A5 P260
A5
2550 . MBEC &U42&Y91
15467568 50F 280/800 IP2
B3 P260
B3
2550 . MBEC &UL5/UQ3/UQ5/UQA/UQS
13516829 8F GT280 INFOJMPR2
4 P258
4
2550 . MBEC &UQA-Y91
15467567 50F 280/800 IP1
C2 P287
C2
2550 . MBEC &UQA/UQS&Y91
MBEC
8
8 P259
8F GT280 BODY1 13516834
2550. BK 3.0 BODY TWP 19 50
A
B
Ring Terminal - Zone 25
12103513 005
UPC FNA
12103513
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
POWER EXTERNAL-POLICE-POWER PAGE 1
Ground-Body Zone 25
900_gnd_zone 001
UPC FNA
M6
Power External Ring Term Page - Police Power - 1
2550 RT_POLICE_GND
&6J1
Windows/HVAC Switch Aux Rear/Grid-Rear Defog Page - Windows/RR Aux - 1/1
2650 ZN26_GND
=&43&C49-A48#&43&A48-C49
A
B
Ring Terminal - Zone 26 (Single)
12103513 005
UPC FNA
12103513
Ground-Body Zone 26
900_gnd_zone 001
UPC FNA
M6

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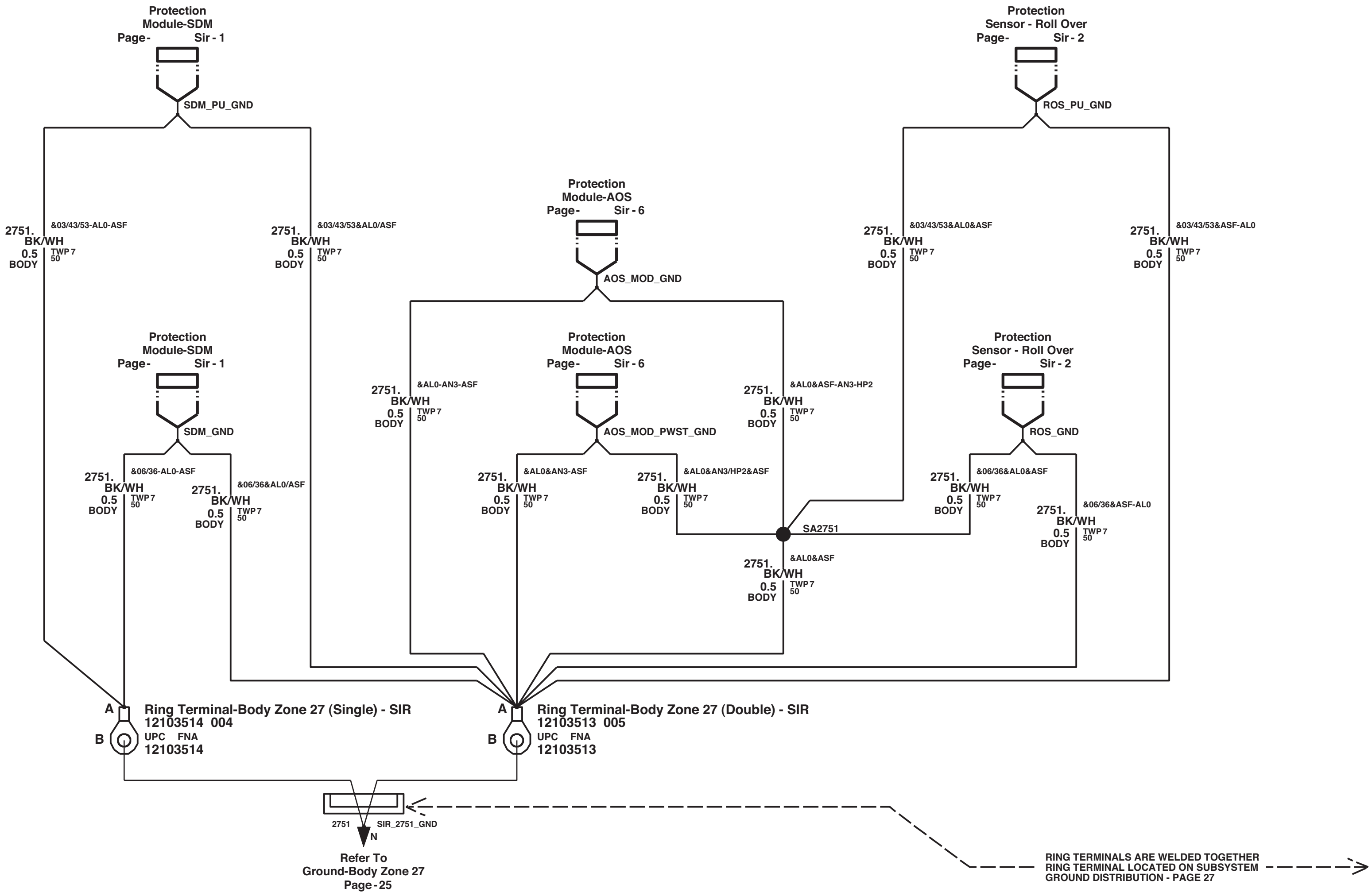

Protection
Module-SDM
Page-
Sir - 1
SDM_PU_GND
Protection
Sensor - Roll Over
Page-
Sir - 2
ROS_PU_GND
Protection
Module-AOS
Page-
Sir - 6
AOS_MOD_GND
2751.
BK/WH
0.5
BODY
&03/43/53-AL0-ASF
TWP 7
50
2751.
BK/WH
0.5
BODY
&03/43/53&AL0/ASF
TWP 7
50
2751.
BK/WH
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BODY
&03/43/53&AL0&ASF
TWP 7
50
2751.
BK/WH
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BODY
&03/43/53&ASF-AL0
TWP 7
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Protection
Module-SDM
Page-
Sir - 1
SDM_GND
2751.
BK/WH
0.5
BODY
&AL0-AN3-ASF
TWP 7
50
Protection
Module-AOS
Page-
Sir - 6
AOS_MOD_PWST_GND
2751.
BK/WH
0.5
BODY
&AL0&ASF-AN3-HP2
TWP 7
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Protection
Sensor - Roll Over
Page-
Sir - 2
ROS_GND
2751.
BK/WH
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BODY
&06/36-AL0-ASF
TWP 7
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2751.
BK/WH
0.5
BODY
&06/36&AL0/ASF
TWP 7
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BK/WH
0.5
BODY
&AL0&AN3-ASF
TWP 7
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BK/WH
0.5
BODY
&AL0&AN3/HP2&ASF
TWP 7
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SA2751
2751.
BK/WH
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BODY
&06/36&AL0&ASF
TWP 7
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2751.
BK/WH
0.5
BODY
&06/36&ASF-AL0
TWP 7
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2751.
BK/WH
0.5
BODY
&AL0&ASF
TWP 7
50
A
B
Ring Terminal-Body Zone 27 (Single) - SIR
12103514 004
UPC FNA
12103514
A
B
Ring Terminal-Body Zone 27 (Double) - SIR
12103513 005
UPC FNA
12103513
2751
SIR_2751_GND
N
Refer To
Ground-Body Zone 27
Page - 25
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 27

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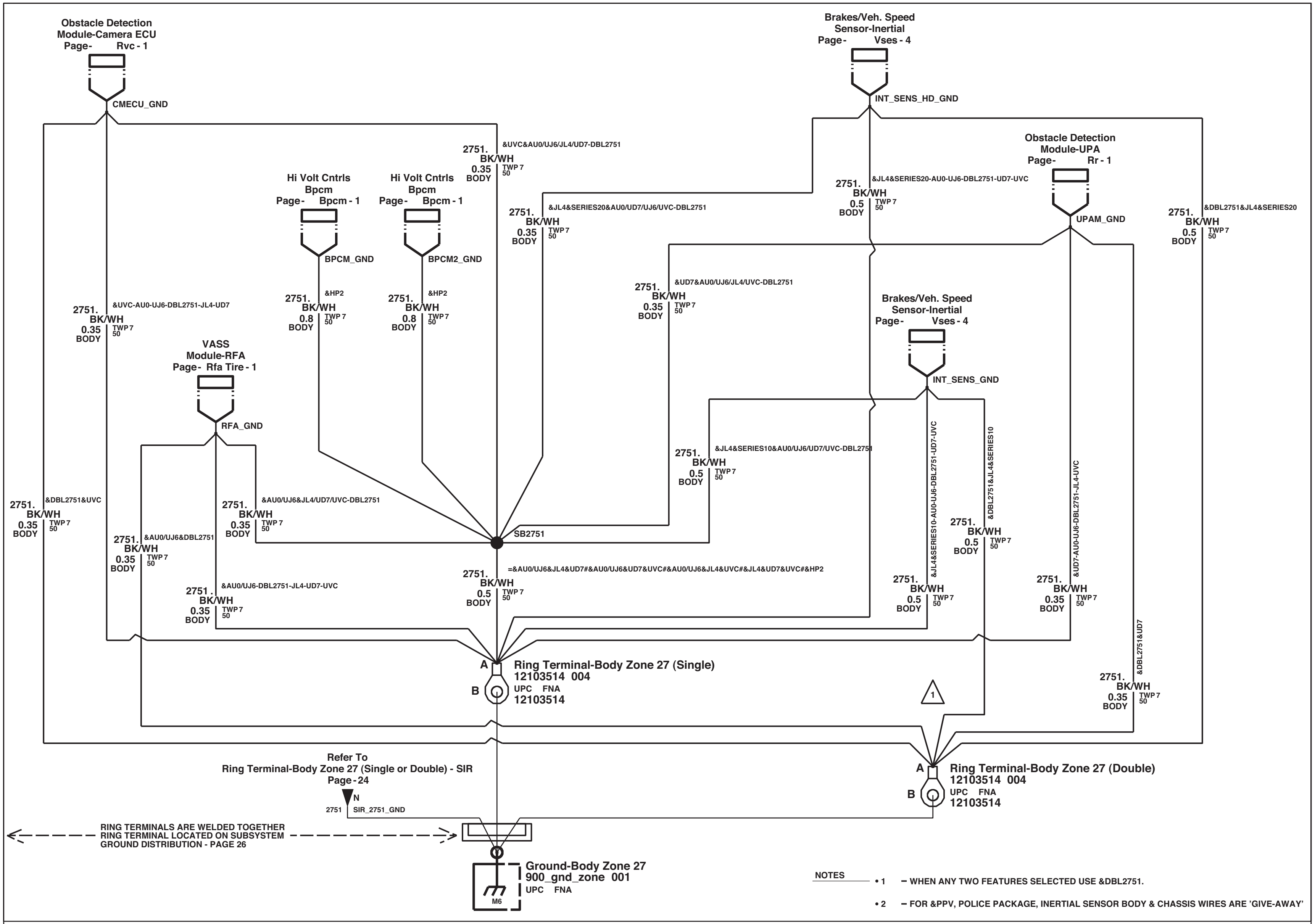
Obstacle Detection
Module-Camera ECU
Page- Rvc - 1
CMECU_GND
Brakes/Veh. Speed
Sensor-Inertial
Page- Vses - 4
INT_SENS_HD_GND
Obstacle Detection
Module-UPA
Page- Rr - 1
UPAM_GND
Hi Volt Cntrls
Bpcm
Page- Bpcm - 1
BPCM_GND
Hi Volt Cntrls
Bpcm
Page- Bpcm - 1
BPCM2_GND
VASS
Module-RFA
Page- Rfa Tire - 1
RFA_GND
Brakes/Veh. Speed
Sensor-Inertial
Page- Vses - 4
INT_SENS_GND
2751. BK/WH 0.35 BODY TWP 7 50 &UVC&AU0/UJ6/JL4/UD7-DBL2751
2751. BK/WH 0.35 BODY TWP 7 50 &JL4&SERIES20&AU0/UD7/UJ6/UVC-DBL2751
2751. BK/WH 0.5 BODY TWP 7 50 &JL4&SERIES20-AU0-UJ6-DBL2751-UD7-UVC
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2751. BK/WH 0.8 BODY TWP 7 50 &HP2
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2751. BK/WH 0.35 BODY TWP 7 50 &AU0/UJ6&DBL2751
2751. BK/WH 0.35 BODY TWP 7 50 &AU0/UJ6-DBL2751-JL4-UD7-UVC
SB2751
2751. BK/WH 0.5 BODY TWP 7 50 =&AU0/UJ6&JL4&UD7#&AU0/UJ6&UD7&UVC#&AU0/UJ6&JL4&UVC#&JL4&UD7&UVC#&HP2
2751. BK/WH 0.5 BODY TWP 7 50 &JL4&SERIES10-AU0-UJ6-DBL2751-UD7-UVC
2751. BK/WH 0.5 BODY TWP 7 50 &DBL2751&JL4&SERIES10
2751. BK/WH 0.35 BODY TWP 7 50 &UD7-AU0-UJ6-DBL2751-JL4-UVC
2751. BK/WH 0.35 BODY TWP 7 50 &DBL2751&UD7
A
B
Ring Terminal-Body Zone 27 (Single)
12103514 004
UPC FNA
12103514
1
A
B
Ring Terminal-Body Zone 27 (Double)
12103514 004
UPC FNA
12103514
Refer To
Ring Terminal-Body Zone 27 (Single or Double) - SIR
Page - 24
N
2751 SIR_2751_GND
RING TERMINALS ARE WELDED TOGETHER
RING TERMINAL LOCATED ON SUBSYSTEM
GROUND DISTRIBUTION - PAGE 26
M6
Ground-Body Zone 27
900_gnd_zone 001
UPC FNA

NOTES
- 1 – WHEN ANY TWO FEATURES SELECTED USE &DBL2751.
- 2 – FOR &PPV, POLICE PACKAGE, INERTIAL SENSOR BODY & CHASSIS WIRES ARE 'GIVE-AWAY'

ARE16384
003
GMT900
GM Proprietary

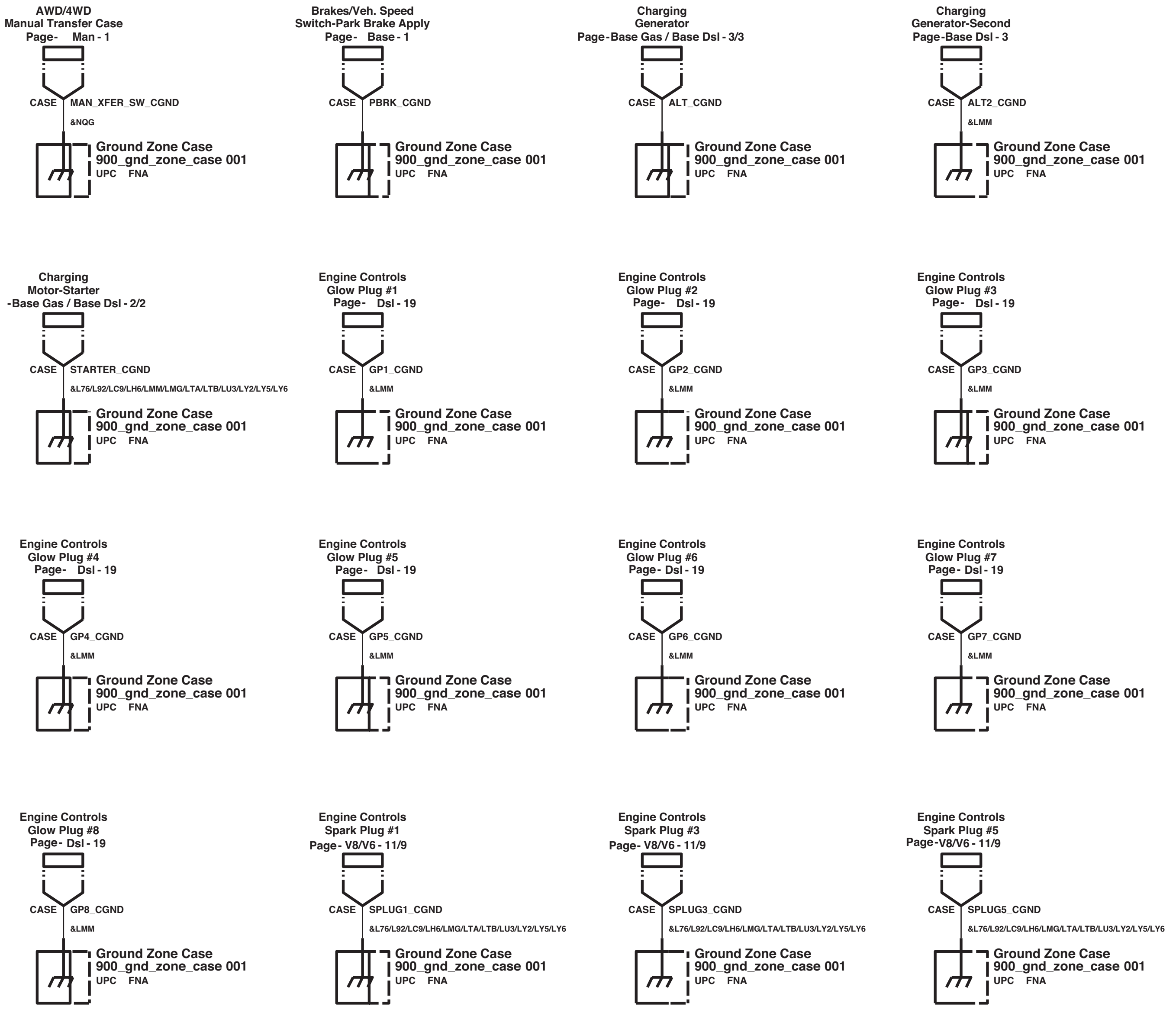
Wednesday, November 15, 2006
12:15:45 pm 78
IEC/ESI

Ground Distribution

1_08_GND_DIST Panel 27 of 30

2008
GMT900
MVBS
System Status: Object Status:

Ground Distribution


AWD/4WD
Manual Transfer Case
Page- Man - 1
CASE
MAN_XFER_SW_CGND
&NQG
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Brakes/Veh. Speed
Switch-Park Brake Apply
Page- Base - 1
CASE
PBRK_CGND
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Charging
Generator
Page-Base Gas / Base Dsl - 3/3
CASE
ALT_CGND
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Charging
Generator-Second
Page-Base Dsl - 3
CASE
ALT2_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Charging
Motor-Starter
-Base Gas / Base Dsl - 2/2
CASE
STARTER_CGND
&L76/L92/LC9/LH6/LMM/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #1
Page- Dsl - 19
CASE
GP1_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #2
Page- Dsl - 19
CASE
GP2_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #3
Page- Dsl - 19
CASE
GP3_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #4
Page- Dsl - 19
CASE
GP4_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #5
Page- Dsl - 19
CASE
GP5_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #6
Page- Dsl - 19
CASE
GP6_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #7
Page- Dsl - 19
CASE
GP7_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Glow Plug #8
Page- Dsl - 19
CASE
GP8_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #1
Page- V8/V6 - 11/9
CASE
SPLUG1_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #3
Page- V8/V6 - 11/9
CASE
SPLUG3_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #5
Page-V8/V6 - 11/9
CASE
SPLUG5_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA

ARE16384
003
GMT900
GM Proprietary

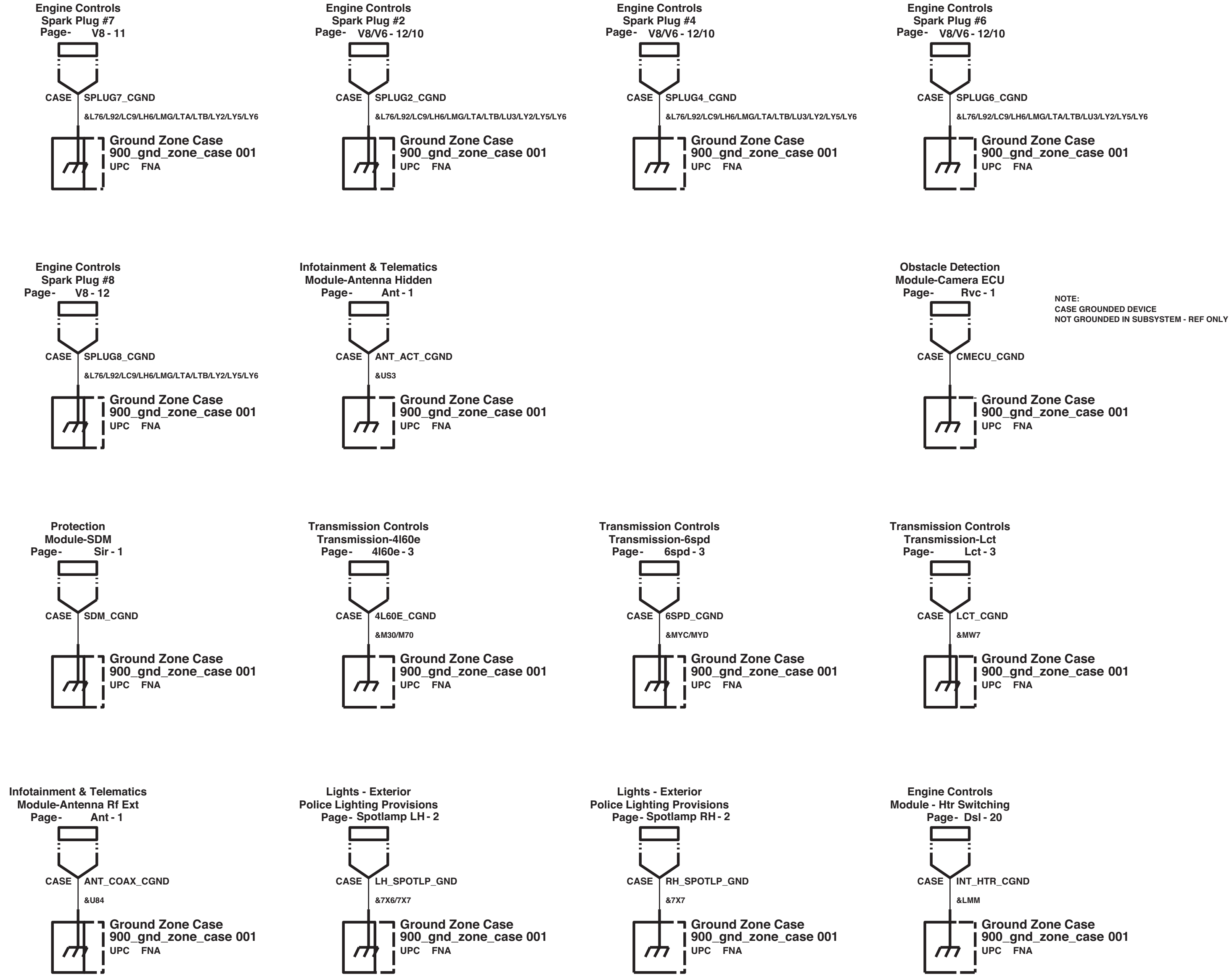
Wednesday, November 15, 2006
12:15:45 pm 78
IEC/ESI

Ground Distribution

1_08_GND_DIST Panel 28 of 30

2008
GMT900
MVBS
System Status: Object Status:

Ground Distribution


Engine Controls
Spark Plug #7
Page- V8 - 11
CASE SPLUG7_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #2
Page- V8/V6 - 12/10
CASE SPLUG2_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #4
Page- V8/V6 - 12/10
CASE SPLUG4_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #6
Page- V8/V6 - 12/10
CASE SPLUG6_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LU3/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Spark Plug #8
Page- V8 - 12
CASE SPLUG8_CGND
&L76/L92/LC9/LH6/LMG/LTA/LTB/LY2/LY5/LY6
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Infotainment & Telematics
Module-Antenna Hidden
Page- Ant - 1
CASE ANT_ACT_CGND
&US3
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Obstacle Detection
Module-Camera ECU
Page- Rvc - 1
NOTE:
CASE GROUNDED DEVICE
NOT GROUNDED IN SUBSYSTEM - REF ONLY
CASE CMECU_CGND
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Protection
Module-SDM
Page- Sir - 1
CASE SDM_CGND
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Transmission Controls
Transmission-4l60e
Page- 4l60e - 3
CASE 4L60E_CGND
&M30/M70
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Transmission Controls
Transmission-6spd
Page- 6spd - 3
CASE 6SPD_CGND
&MYC/MYD
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Transmission Controls
Transmission-Lct
Page- Lct - 3
CASE LCT_CGND
&MW7
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Infotainment & Telematics
Module-Antenna Rf Ext
Page- Ant - 1
CASE ANT_COAX_CGND
&U84
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Lights - Exterior
Police Lighting Provisions
Page- Spotlamp LH - 2
CASE LH_SPOTLP_GND
&7X6/7X7
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Lights - Exterior
Police Lighting Provisions
Page- Spotlamp RH - 2
CASE RH_SPOTLP_GND
&7X7
Ground Zone Case
900_gnd_zone_case 001
UPC FNA
Engine Controls
Module - Htr Switching
Page- Dsl - 20
CASE INT_HTR_CGND
&LMM
Ground Zone Case
900_gnd_zone_case 001
UPC FNA

ARE16384
003
GMT900
GM Proprietary

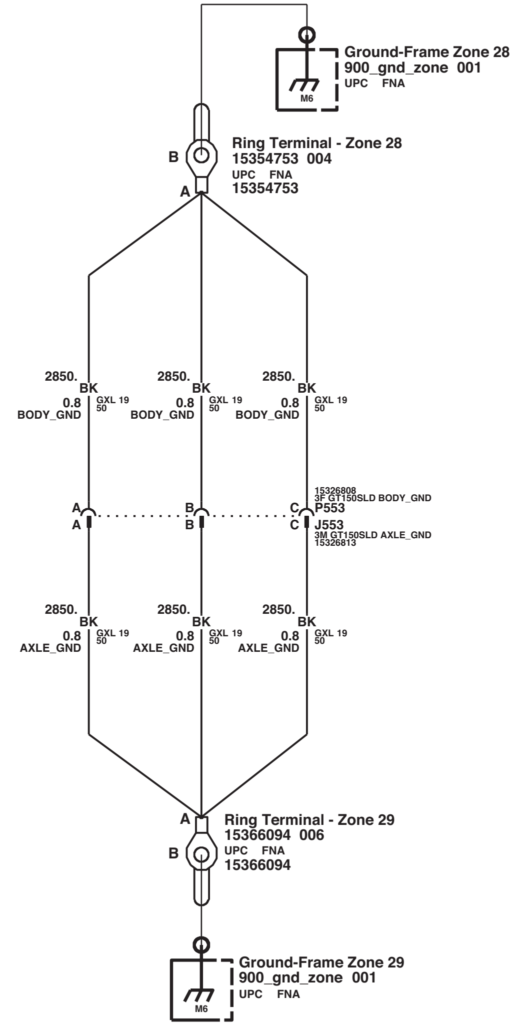
Wednesday, November 15, 2006
12:15:45 pm 78
IEC/ESI

Ground Distribution

1_08_GND_DIST Panel 29 of 30

2008
GMT900
MVBS
System Status: Object Status:

Ground Distribution


Ground-Frame Zone 28
900_gnd_zone 001
UPC FNA
M6
Ring Terminal - Zone 28
15354753 004
UPC FNA
15354753
B
A
2850.
BK
0.8
GXL 19
50
BODY_GND
2850.
BK
0.8
GXL 19
50
BODY_GND
2850.
BK
0.8
GXL 19
50
BODY_GND
15326808
3F GT150SLD BODY_GND
P553
A
B
C
A
B
C
J553
3M GT150SLD AXLE_GND
15326813
2850.
BK
0.8
GXL 19
50
AXLE_GND
2850.
BK
0.8
GXL 19
50
AXLE_GND
2850.
BK
0.8
GXL 19
50
AXLE_GND
Ring Terminal - Zone 29
15366094 006
UPC FNA
15366094
A
B
Ground-Frame Zone 29
900_gnd_zone 001
UPC FNA
M6

ARE16384
003
IVEDPROJ
GM Proprietary

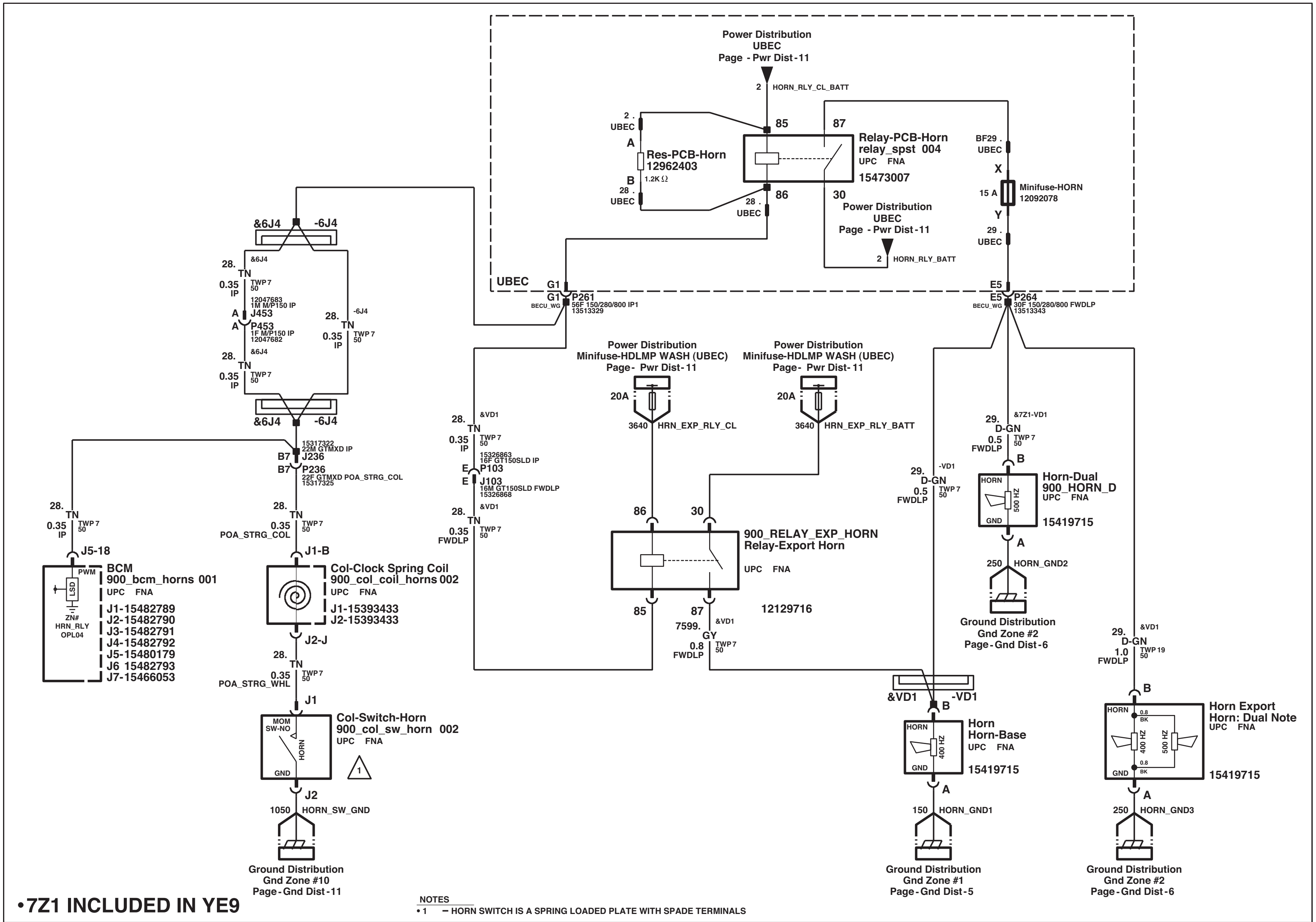
Wednesday, November 15, 2006
12:15:45 pm 78
IEC/ESI

Ground Distribution

1_08_GND_DIST Panel 30 of 30

2008
GMT900
MVBS
System Status: Object Status:

Horns

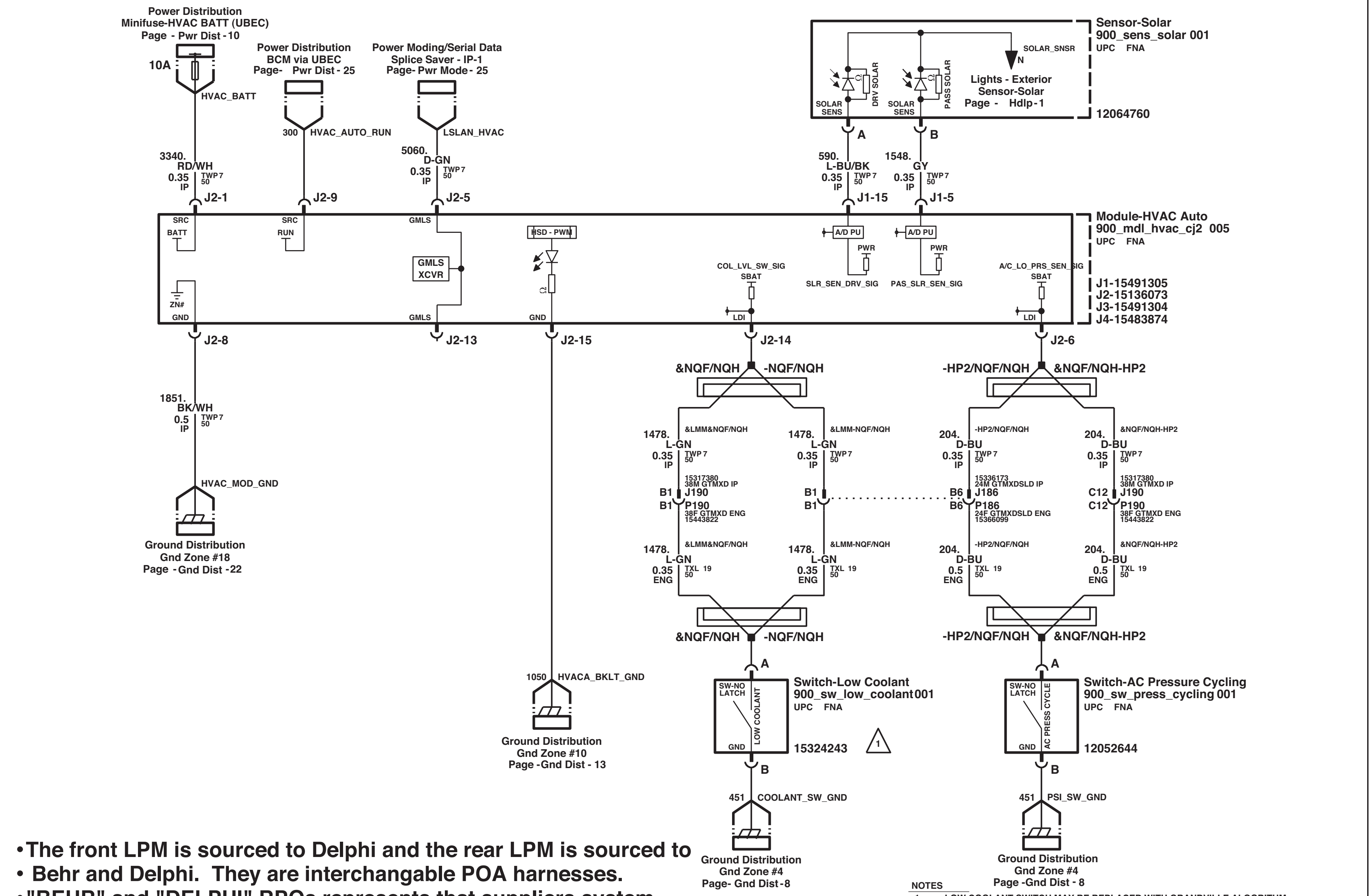

Power Distribution
UBEC
Page - Pwr Dist - 11
2 HORN_RLY_CL_BATT
85
87
Relay-PCB-Horn
relay_spst 004
UPC FNA
15473007
86
30
2 . UBEC
A
Res-PCB-Horn
12962403
B
1.2K Ω
28 . UBEC
28 . UBEC
Power Distribution
UBEC
Page - Pwr Dist - 11
2 HORN_RLY_BATT
BF29 . UBEC
X
15 A
Minifuse-HORN
12092078
Y
29 . UBEC
UBEC
G1
G1 P261
BECU_WG
56F 150/280/800 IP1
13513329
E5
E5 P264
BECU_WG
30F 150/280/800 FWDLP
13513343
&6J4
-6J4
28. TN
&6J4
0.35 IP
TWP 7 50
12047683
1M M/P150 IP
A J453
A P453
1F M/P150 IP
12047682
28. TN
-6J4
0.35 IP
TWP 7 50
28. TN
&6J4
0.35 IP
TWP 7 50
&6J4
-6J4
15317322
22M GTMXD IP
B7 J236
B7 P236
22F GTMXD POA_STRG_COL
15317325
28. TN
0.35 IP
TWP 7 50
J5-18
BCM
900_bcm_horns 001
UPC FNA
PWM
LSD
ZN#
HRN_RLY
OPL04
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6 15482793
J7-15466053
28. TN
0.35 POA_STRG_COL
TWP 7 50
J1-B
Col-Clock Spring Coil
900_col_coil_horns 002
UPC FNA
J1-15393433
J2-15393433
J2-J
28. TN
0.35 POA_STRG_WHL
TWP 7 50
J1
Col-Switch-Horn
900_col_sw_horn 002
UPC FNA
MOM SW-NO
HORN
GND
1
J2
1050 HORN_SW_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 11
28. TN
&VD1
0.35 IP
TWP 7 50
15326863
16F GT150SLD IP
E P103
E J103
16M GT150SLD FWDLP
15326868
28. TN
&VD1
0.35 FWDLP
TWP 7 50
Power Distribution
Minifuse-HDLMP WASH (UBEC)
Page - Pwr Dist - 11
20A
3640 HRN_EXP_RLY_CL
Power Distribution
Minifuse-HDLMP WASH (UBEC)
Page - Pwr Dist - 11
20A
3640 HRN_EXP_RLY_BATT
86
30
900_RELAY_EXP_HORN
Relay-Export Horn
UPC FNA
85
87
12129716
7599. GY
&VD1
0.8 FWDLP
TWP 7 50
29. D-GN
&7Z1-VD1
0.5 FWDLP
TWP 7 50
B
Horn-Dual
900_HORN_D
UPC FNA
HORN
500 HZ
GND
15419715
A
250 HORN_GND2
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
29. D-GN
-VD1
0.5 FWDLP
TWP 7 50
&VD1
-VD1
B
Horn
Horn-Base
UPC FNA
HORN
400 HZ
GND
15419715
A
150 HORN_GND1
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
29. D-GN
&VD1
1.0 FWDLP
TWP 19 50
B
Horn Export
Horn: Dual Note
UPC FNA
HORN
0.8 BK
400 HZ
500 HZ
0.8 BK
GND
15419715
A
250 HORN_GND3
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6

- **7Z1 INCLUDED IN YE9**

NOTES
- 1 – HORN SWITCH IS A SPRING LOADED PLATE WITH SPADE TERMINALS

ARE16385 003 GMT900 GM Proprietary	Tuesday, August 15, 2006 9:07:04 am 3 IEC/ESI	**Horns:** HR01 Panel 1 of 1	2008 GMT900 MVBS System Status: Object Status:

HVAC: Automatic


Power Distribution
Minifuse-HVAC BATT (UBEC)
Page - Pwr Dist - 10
10A
HVAC_BATT
3340.
RD/WH
0.35 IP
TWP 7 50
J2-1
Power Distribution
BCM via UBEC
Page- Pwr Dist - 25
300 HVAC_AUTO_RUN
J2-9
Power Moding/Serial Data
Splice Saver - IP-1
Page- Pwr Mode - 25
LSLAN_HVAC
5060.
D-GN
0.35 IP
TWP 7 50
J2-5
Sensor-Solar
900_sens_solar 001
UPC FNA
SOLAR_SNSR
N
DRV SOLAR
PASS SOLAR
SOLAR SENS
SOLAR SENS
Lights - Exterior
Sensor-Solar
Page - Hdlp - 1
12064760
A
B
590.
L-BU/BK
0.35 IP
TWP 7 50
J1-15
1548.
GY
0.35 IP
TWP 7 50
J1-5
Module-HVAC Auto
900_mdl_hvac_cj2 005
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
SRC BATT
SRC RUN
GMLS
GMLS XCVR
GMLS
HSD - PWM
Ω
ZN#
GND
GND
COL_LVL_SW_SIG
SBAT
LDI
A/D PU
PWR
SLR_SEN_DRV_SIG
A/D PU
PWR
PAS_SLR_SEN_SIG
A/C_LO_PRS_SEN_SIG
SBAT
LDI
J2-8
J2-13
J2-15
J2-14
J2-6
1851.
BK/WH
0.5 IP
TWP 7 50
HVAC_MOD_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
1050 HVACA_BKLT_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13
&NQF/NQH
-NQF/NQH
-HP2/NQF/NQH
&NQF/NQH-HP2
1478.
L-GN
0.35 IP
&LMM&NQF/NQH
TWP 7 50
1478.
L-GN
0.35 IP
&LMM-NQF/NQH
TWP 7 50
204.
D-BU
0.35 IP
-HP2/NQF/NQH
TWP 7 50
204.
D-BU
0.35 IP
&NQF/NQH-HP2
TWP 7 50
15317380
38M GTMXD IP
B1 J190
B1 P190
38F GTMXD ENG
15443822
B1
B1
15336173
24M GTMXDSLD IP
B6 J186
B6 P186
24F GTMXDSLD ENG
15366099
15317380
38M GTMXD IP
C12 J190
C12 P190
38F GTMXD ENG
15443822
1478.
L-GN
0.35 ENG
&LMM&NQF/NQH
TXL 19 50
1478.
L-GN
0.35 ENG
&LMM-NQF/NQH
TXL 19 50
204.
D-BU
0.5 ENG
-HP2/NQF/NQH
TXL 19 50
204.
D-BU
0.5 ENG
&NQF/NQH-HP2
TXL 19 50
&NQF/NQH
-NQF/NQH
-HP2/NQF/NQH
&NQF/NQH-HP2
A
Switch-Low Coolant
900_sw_low_coolant001
UPC FNA
SW-NO LATCH
LOW COOLANT
GND
15324243
1
B
451 COOLANT_SW_GND
Ground Distribution
Gnd Zone #4
Page- Gnd Dist - 8
A
Switch-AC Pressure Cycling
900_sw_press_cycling 001
UPC FNA
SW-NO LATCH
AC PRESS CYCLE
GND
12052644
B
451 PSI_SW_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8

- The front LPM is sourced to Delphi and the rear LPM is sourced to
- Behr and Delphi. They are interchangable POA harnesses.
- "BEHR" and "DELPHI" RPOs represents that suppliers system.

NOTES

- 1 – LOW COOLANT SWITCH MAY BE REPLACED WITH GRANDVILLE ALGORITHM
- – SWITCH IS NORMALLY OPEN - HELD CLOSED AT NORMAL FLUID LEVEL

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

HVAC: Climate Control Front Automatic

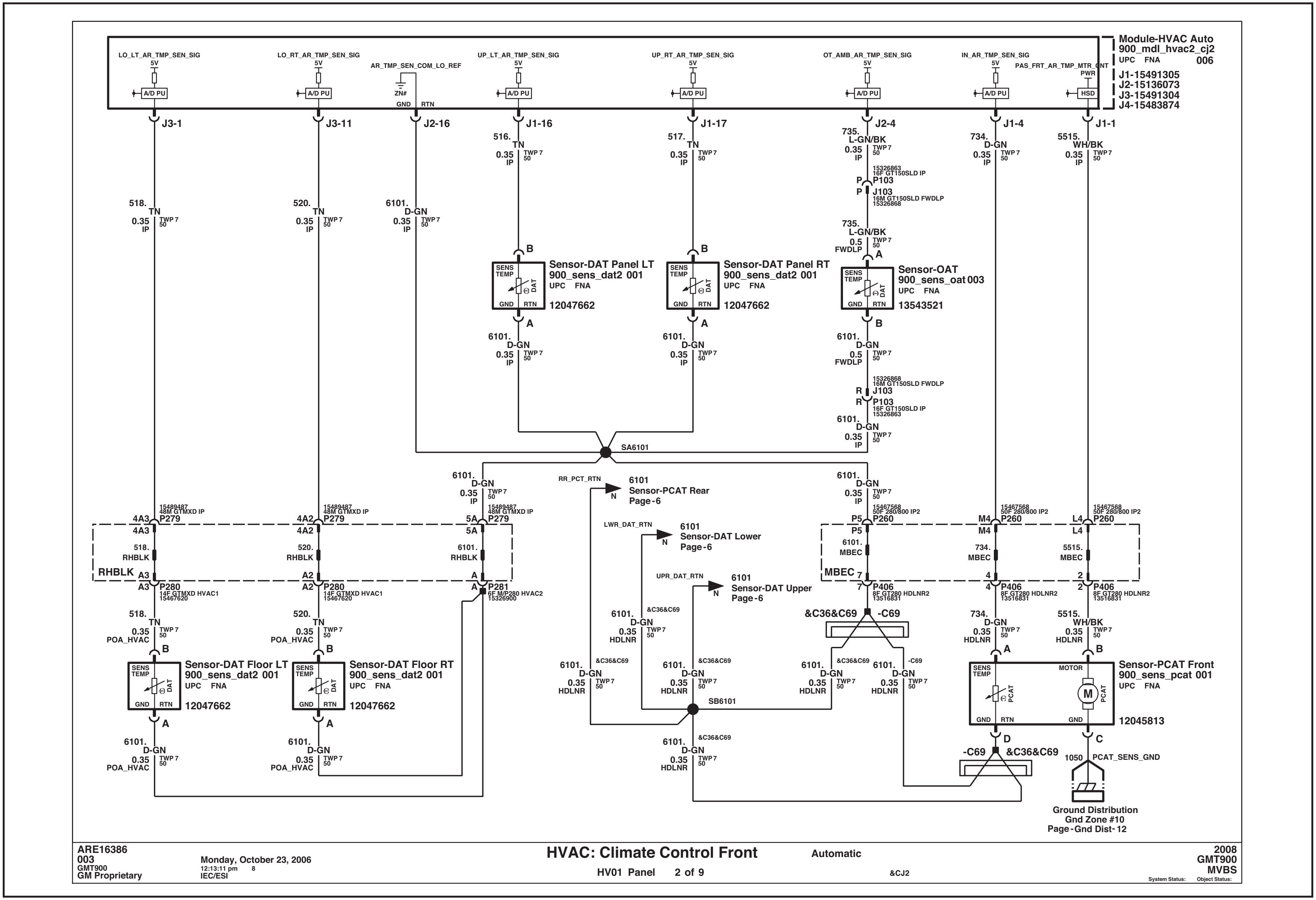
HV01 Panel 1 of 9

&CJ2

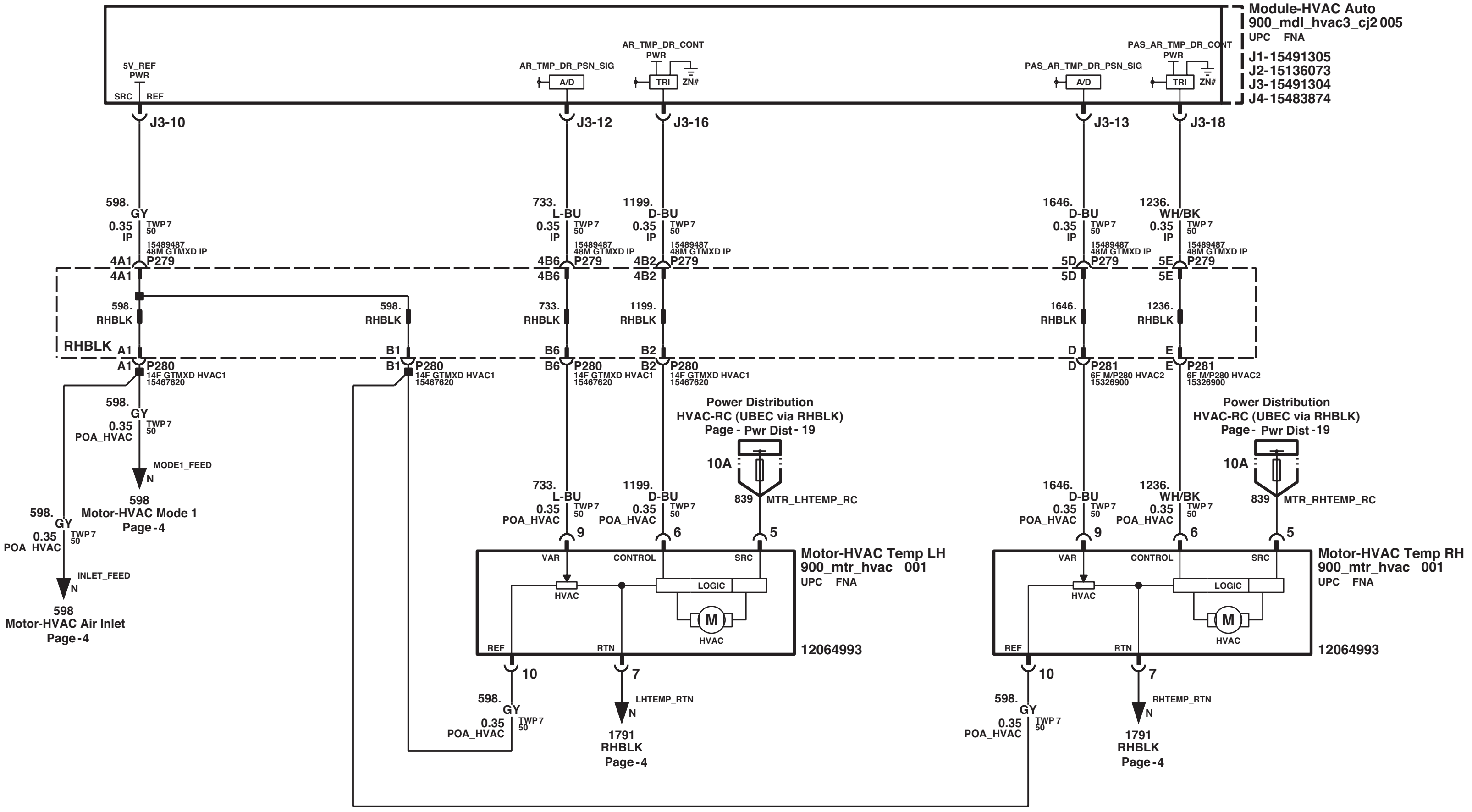
2008
GMT900
MVBS

System Status: Object Status:

HVAC: Automatic


Module-HVAC Auto
900_mdl_hvac2_cj2
UPC FNA 006
J1-15491305
J2-15136073
J3-15491304
J4-15483874
LO_LT_AR_TMP_SEN_SIG
LO_RT_AR_TMP_SEN_SIG
AR_TMP_SEN_COM_LO_REF
UP_LT_AR_TMP_SEN_SIG
UP_RT_AR_TMP_SEN_SIG
OT_AMB_AR_TMP_SEN_SIG
IN_AR_TMP_SEN_SIG
PAS_FRT_AR_TMP_MTR_CNT
5V
A/D PU
ZN#
GND RTN
PWR
HSD
J3-1
J3-11
J2-16
J1-16
J1-17
J2-4
J1-4
J1-1
516. TN 0.35 IP TWP 7 50
517. TN 0.35 IP TWP 7 50
735. L-GN/BK 0.35 IP TWP 7 50
734. D-GN 0.35 IP TWP 7 50
5515. WH/BK 0.35 IP TWP 7 50
15326863 16F GT150SLD IP
P P103
P J103
16M GT150SLD FWDLP 15326868
735. L-GN/BK 0.5 FWDLP TWP 7 50
518. TN 0.35 IP TWP 7 50
520. TN 0.35 IP TWP 7 50
6101. D-GN 0.35 IP TWP 7 50
B
Sensor-DAT Panel LT
900_sens_dat2 001
UPC FNA
12047662
Sensor-DAT Panel RT
900_sens_dat2 001
UPC FNA
12047662
A
Sensor-OAT
900_sens_oat 003
UPC FNA
13543521
SENS TEMP
DAT
GND RTN
6101. D-GN 0.35 IP TWP 7 50
6101. D-GN 0.5 FWDLP TWP 7 50
15326868 16M GT150SLD FWDLP
R J103
R P103
16F GT150SLD IP 15326863
SA6101
RR_PCT_RTN
6101
Sensor-PCAT Rear
Page-6
N
LWR_DAT_RTN
6101
Sensor-DAT Lower
Page-6
UPR_DAT_RTN
6101
Sensor-DAT Upper
Page-6
15489487 48M GTMXD IP
4A3 P279
4A2 P279
5A P279
15467568 50F 280/800 IP2
P5 P260
M4 P260
L4 P260
RHBLK
518. RHBLK
520. RHBLK
6101. RHBLK
MBEC
6101. MBEC
734. MBEC
5515. MBEC
A3 P280
A2 P280
14F GTMXD HVAC1 15467620
A P281
6F M/P280 HVAC2 15326900
7 P406
4 P406
2 P406
8F GT280 HDLNR2 13516831
&C36&C69
-C69
Sensor-DAT Floor LT
900_sens_dat2 001
UPC FNA
12047662
Sensor-DAT Floor RT
900_sens_dat2 001
UPC FNA
12047662
518. TN 0.35 POA_HVAC TWP 7 50
520. TN 0.35 POA_HVAC TWP 7 50
6101. D-GN 0.35 POA_HVAC TWP 7 50
6101. D-GN 0.35 HDLNR TWP 7 50
SB6101
734. D-GN 0.35 HDLNR TWP 7 50
5515. WH/BK 0.35 HDLNR TWP 7 50
Sensor-PCAT Front
900_sens_pcat 001
UPC FNA
12045813
MOTOR
M
PCAT
C
D
1050
PCAT_SENS_GND
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-12
ARE16386
003
GMT900
GM Proprietary
Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI
HVAC: Climate Control Front
Automatic
HV01 Panel 2 of 9
&CJ2
2008
GMT900
MVBS
System Status:
Object Status:

HVAC: Automatic


Module-HVAC Auto
900_mdl_hvac3_cj2 005
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
5V_REF
PWR
SRC
REF
AR_TMP_DR_PSN_SIG
A/D
AR_TMP_DR_CONT
PWR
TRI
ZN#
PAS_AR_TMP_DR_PSN_SIG
A/D
PAS_AR_TMP_DR_CONT
PWR
TRI
ZN#
J3-10
J3-12
J3-16
J3-13
J3-18
598. GY 0.35 IP TWP 7 50
733. L-BU 0.35 IP TWP 7 50
1199. D-BU 0.35 IP TWP 7 50
1646. D-BU 0.35 IP TWP 7 50
1236. WH/BK 0.35 IP TWP 7 50
15489487 48M GTMXD IP
4A1 P279
4B6 P279
4B2 P279
5D P279
5E P279
598. RHBLK
733. RHBLK
1199. RHBLK
1646. RHBLK
1236. RHBLK
RHBLK
A1 P280
B1 P280
B6 P280
B2 P280
14F GTMXD HVAC1 15467620
D P281
E P281
6F M/P280 HVAC2 15326900
598. GY 0.35 POA_HVAC TWP 7 50
MODE1_FEED
598
Motor-HVAC Mode 1
Page-4
INLET_FEED
598
Motor-HVAC Air Inlet
Page-4
Power Distribution
HVAC-RC (UBEC via RHBLK)
Page- Pwr Dist- 19
10A
839 MTR_LHTEMP_RC
839 MTR_RHTEMP_RC
733. L-BU 0.35 POA_HVAC TWP 7 50
1199. D-BU 0.35 POA_HVAC TWP 7 50
1646. D-BU 0.35 POA_HVAC TWP 7 50
1236. WH/BK 0.35 POA_HVAC TWP 7 50
9
6
5
VAR
CONTROL
SRC
HVAC
LOGIC
M
REF
RTN
Motor-HVAC Temp LH
900_mtr_hvac 001
UPC FNA
12064993
Motor-HVAC Temp RH
900_mtr_hvac 001
UPC FNA
12064993
10
7
LHTEMP_RTN
RHTEMP_RTN
1791
RHBLK
Page-4

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

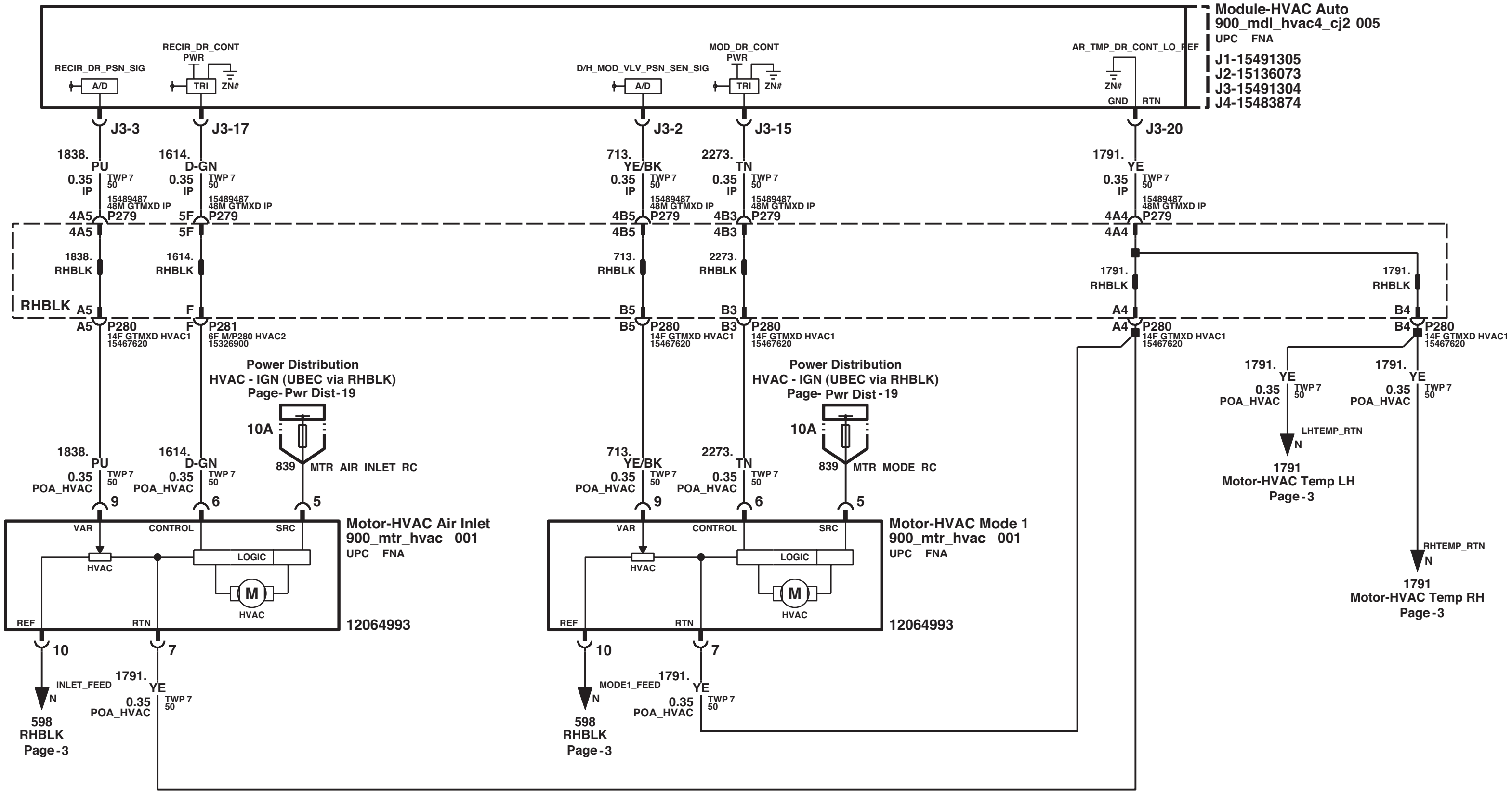
HVAC: Climate Control Front Automatic

HV01 Panel 3 of 9

&CJ2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Automatic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900_mdl_hvac4_cj2 005
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
RECIR_DR_PSN_SIG
A/D
RECIR_DR_CONT
PWR
TRI
ZN#
D/H_MOD_VLV_PSN_SEN_SIG
MOD_DR_CONT
AR_TMP_DR_CONT_LO_REF
GND
RTN
J3-3
J3-17
J3-2
J3-15
J3-20
1838. PU 0.35 IP TWP 7 50
1614. D-GN 0.35 IP TWP 7 50
713. YE/BK 0.35 IP TWP 7 50
2273. TN 0.35 IP TWP 7 50
1791. YE 0.35 IP TWP 7 50
15489487 48M GTMXD IP
4A5 P279
5F P279
4B5 P279
4B3 P279
4A4 P279
1838. RHBLK
1614. RHBLK
713. RHBLK
2273. RHBLK
1791. RHBLK
RHBLK
A5 P280 14F GTMXD HVAC1 15467620
F P281 6F M/P280 HVAC2 15326900
B5 P280
B3 P280
A4 P280
B4 P280
Power Distribution
HVAC - IGN (UBEC via RHBLK)
Page- Pwr Dist-19
10A
839 MTR_AIR_INLET_RC
839 MTR_MODE_RC
POA_HVAC
9
6
5
VAR
CONTROL
SRC
LOGIC
HVAC
M
REF
RTN
Motor-HVAC Air Inlet
900_mtr_hvac 001
UPC FNA
12064993
Motor-HVAC Mode 1
900_mtr_hvac 001
UPC FNA
12064993
10
7
INLET_FEED
MODE1_FEED
N
598 RHBLK Page-3
1791. YE 0.35 POA_HVAC TWP 7 50
LHTEMP_RTN
1791 Motor-HVAC Temp LH Page-3
RHTEMP_RTN
1791 Motor-HVAC Temp RH Page-3

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

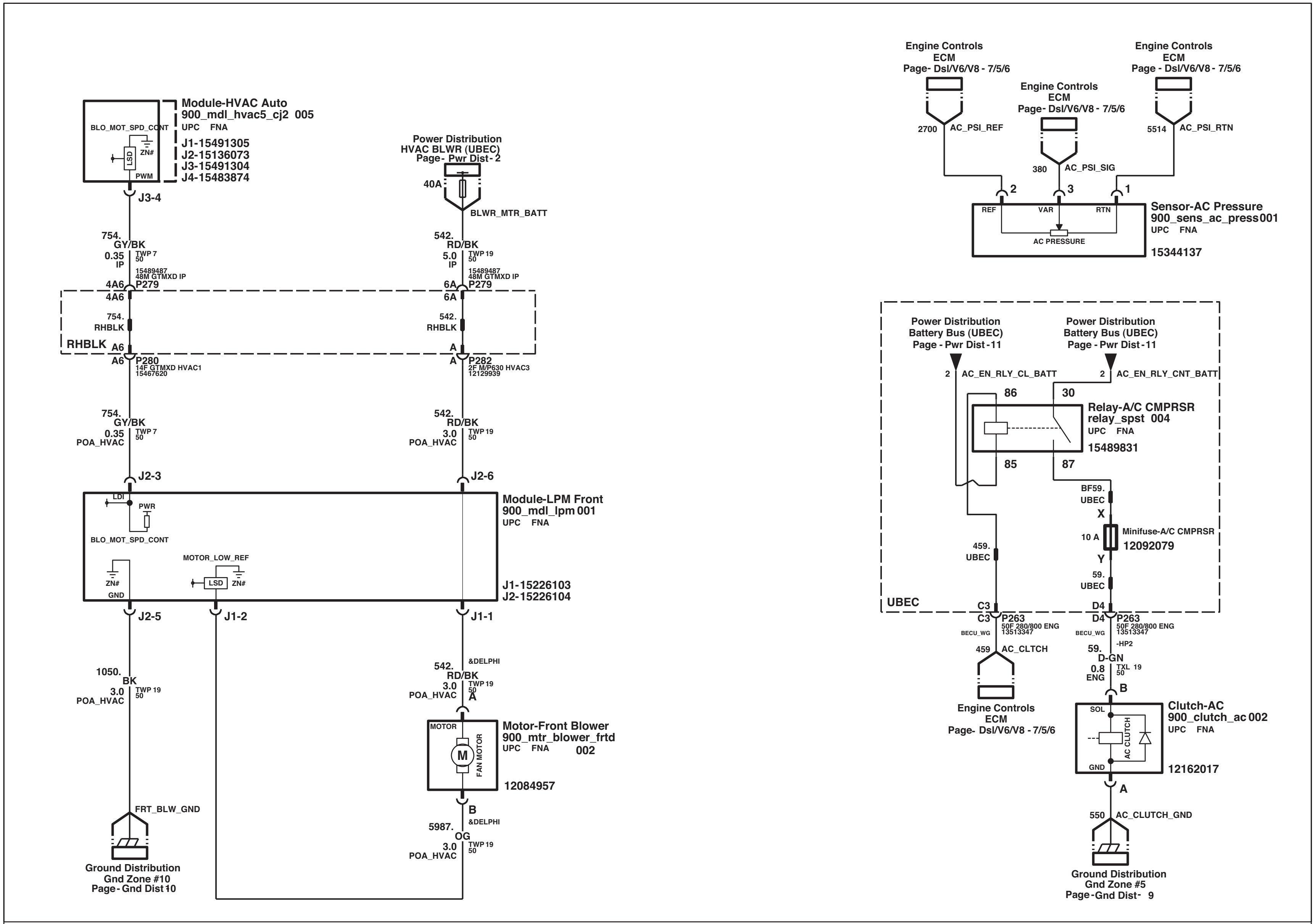
HVAC: Climate Control Front Automatic

HV01 Panel 4 of 9

&CJ2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Automatic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900_mdl_hvac5_cj2 005
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
BLO_MOT_SPD_CONT
LSD
ZN#
PWM
J3-4
754.
GY/BK
0.35
IP
TWP 7
50
15489487
48M GTMXD IP
4A6
P279
RHBLK
A6
P280
14F GTMXD HVAC1
15467620
POA_HVAC
J2-3
Power Distribution
HVAC BLWR (UBEC)
Page- Pwr Dist- 2
40A
BLWR_MTR_BATT
542.
RD/BK
5.0
TWP 19
6A
A
P282
2F M/P630 HVAC3
12129939
3.0
J2-6
Module-LPM Front
900_mdl_lpm 001
UPC FNA
J1-15226103
J2-15226104
LDI
PWR
MOTOR_LOW_REF
GND
J2-5
J1-2
J1-1
1050.
BK
&DELPHI
Motor-Front Blower
900_mtr_blower_frtd
002
MOTOR
M
FAN MOTOR
12084957
B
5987.
OG
FRT_BLW_GND
Ground Distribution
Gnd Zone #10
Page- Gnd Dist 10
Engine Controls
ECM
Page- Dsl/V6/V8 - 7/5/6
2700
AC_PSI_REF
380
AC_PSI_SIG
5514
AC_PSI_RTN
2
3
1
Sensor-AC Pressure
900_sens_ac_press001
REF
VAR
RTN
AC PRESSURE
15344137
Power Distribution
Battery Bus (UBEC)
Page - Pwr Dist - 11
AC_EN_RLY_CL_BATT
AC_EN_RLY_CNT_BATT
86
30
85
87
Relay-A/C CMPRSR
relay_spst 004
15489831
BF59.
UBEC
X
10 A
Minifuse-A/C CMPRSR
12092079
Y
59.
459.
UBEC
C3
D4
P263
50F 280/800 ENG
13513347
BECU_WG
-HP2
459
AC_CLTCH
D-GN
0.8
ENG
TXL 19
50
Clutch-AC
900_clutch_ac 002
SOL
AC CLUTCH
GND
12162017
A
550
AC_CLUTCH_GND
Ground Distribution
Gnd Zone #5
Page -Gnd Dist- 9

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

HVAC: Climate Control Front

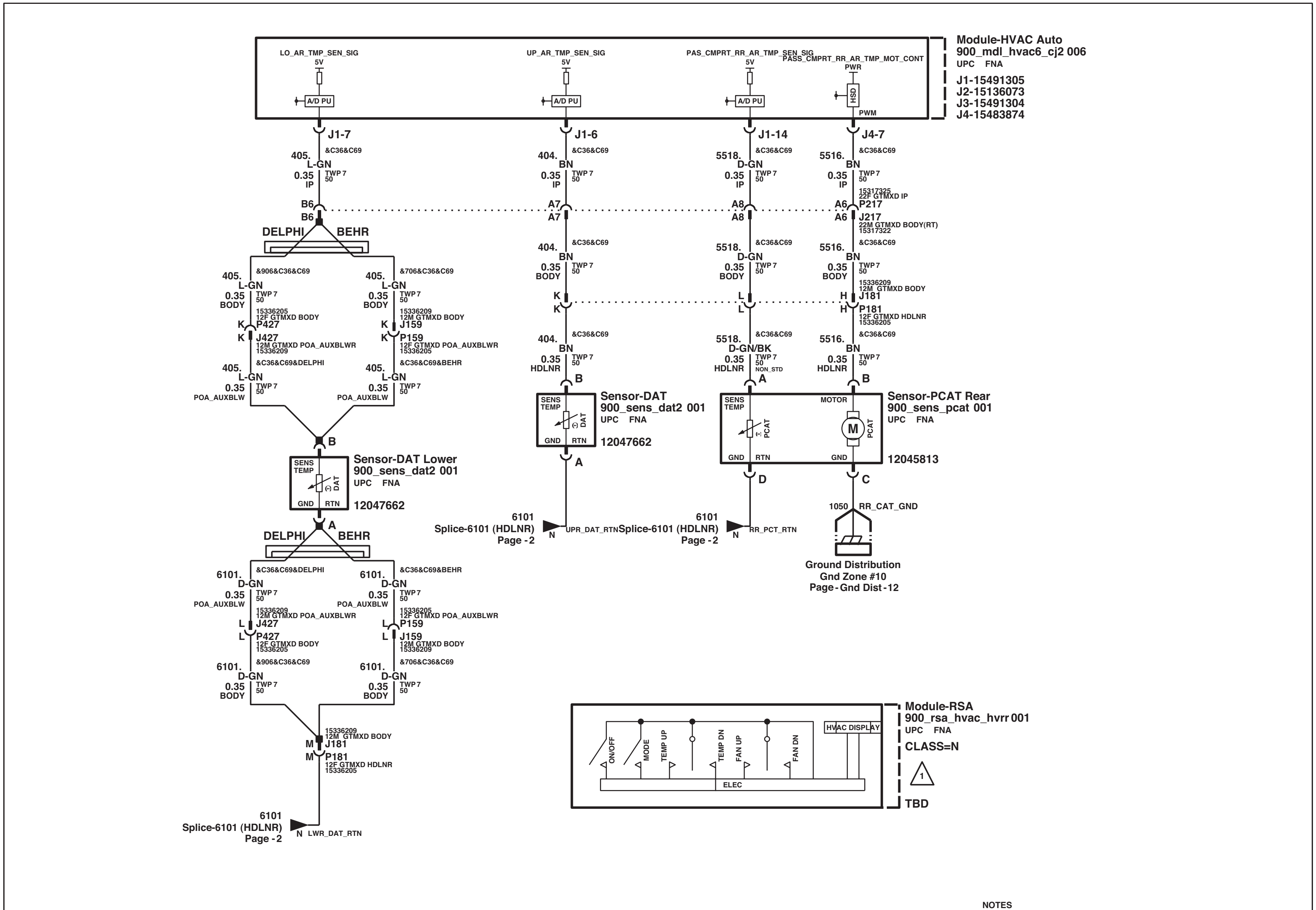
HV01 Panel 5 of 9

Automatic

&CJ2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Automatic


Module-HVAC Auto
900_mdl_hvac6_cj2 006
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
LO_AR_TMP_SEN_SIG
UP_AR_TMP_SEN_SIG
PAS_CMPRT_RR_AR_TMP_SEN_SIG
PASS_CMPRT_RR_AR_TMP_MOT_CONT
5V
PWR
A/D PU
HSD
PWM
J1-7
J1-6
J1-14
J4-7
&C36&C69
405.
L-GN
404.
BN
5518.
D-GN
5516.
0.35
IP
TWP 7
50
15317325
22F GTMXD IP
B6
A7
A8
A6
P217
J217
22M GTMXD BODY(RT)
15317322
DELPHI
BEHR
&906&C36&C69
&706&C36&C69
BODY
15336205
12F GTMXD BODY
15336209
12M GTMXD BODY
K
P427
J427
12M GTMXD POA_AUXBLWR
P159
J159
12F GTMXD POA_AUXBLWR
&C36&C69&DELPHI
&C36&C69&BEHR
POA_AUXBLW
K
L
H
J181
P181
12F GTMXD HDLNR
D-GN/BK
HDLNR
NON_STD
B
A
Sensor-DAT
900_sens_dat2 001
UPC FNA
SENS TEMP
DAT
GND
RTN
12047662
Sensor-PCAT Rear
900_sens_pcat 001
UPC FNA
MOTOR
PCAT
M
12045813
D
C
1050
RR_CAT_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
6101
Splice-6101 (HDLNR)
Page - 2
N
UPR_DAT_RTN
RR_PCT_RTN
Sensor-DAT Lower
900_sens_dat2 001
UPC FNA
12047662
6101.
D-GN
L
12F GTMXD BODY
12M GTMXD BODY
12M GTMXD POA_AUXBLWR
12F GTMXD POA_AUXBLWR
M
12M GTMXD BODY
LWR_DAT_RTN
Module-RSA
900_rsa_hvac_hvrr 001
UPC FNA
CLASS=N
1
TBD
ON/OFF
MODE
TEMP UP
TEMP DN
FAN UP
FAN DN
HVAC DISPLAY
ELEC

NOTES
• 1 – INTEGRATED RSA/RHVAC CONTROLS FOR &CJ2

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

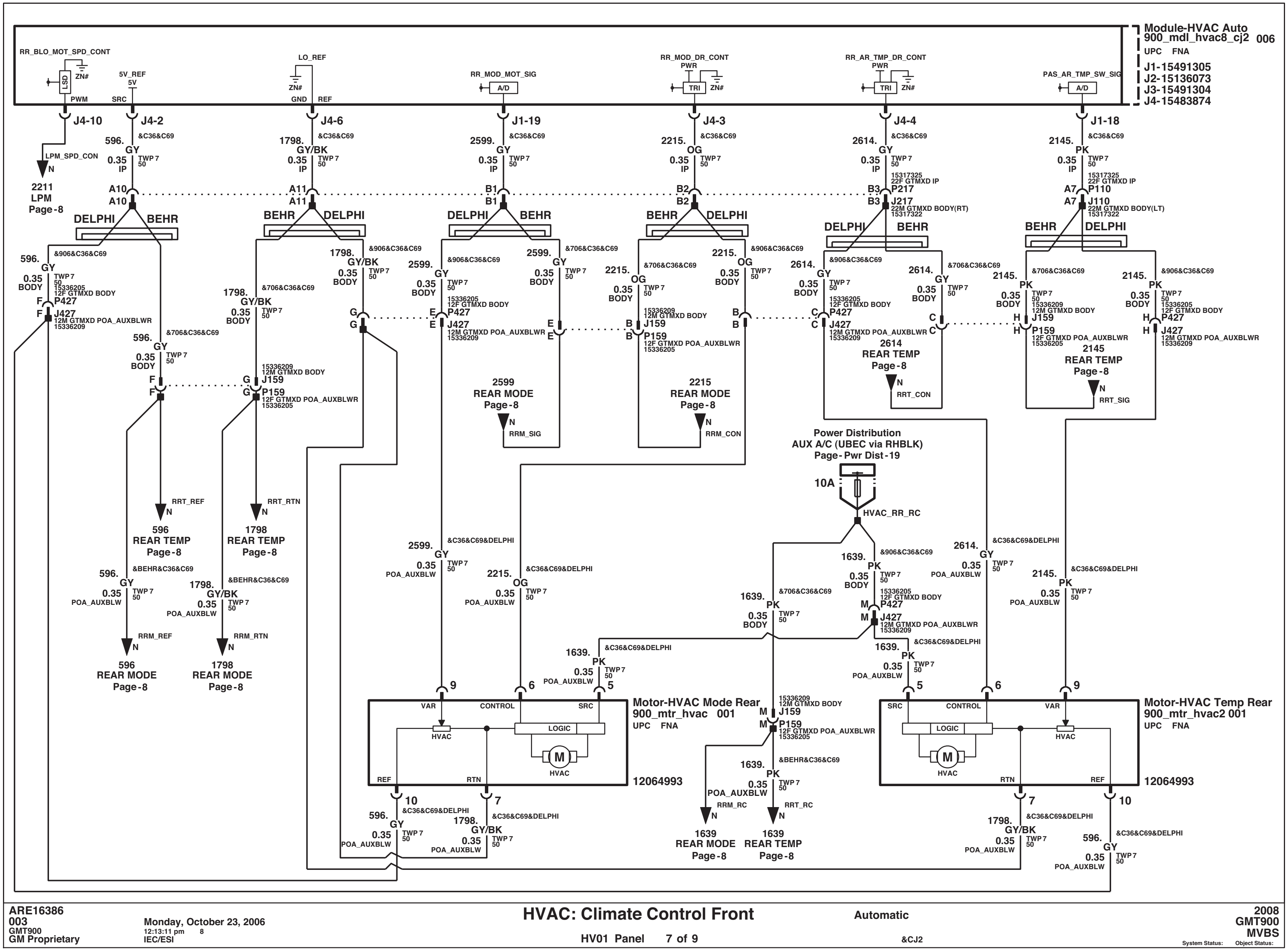
HVAC: Climate Control Front Automatic

HV01 Panel 6 of 9

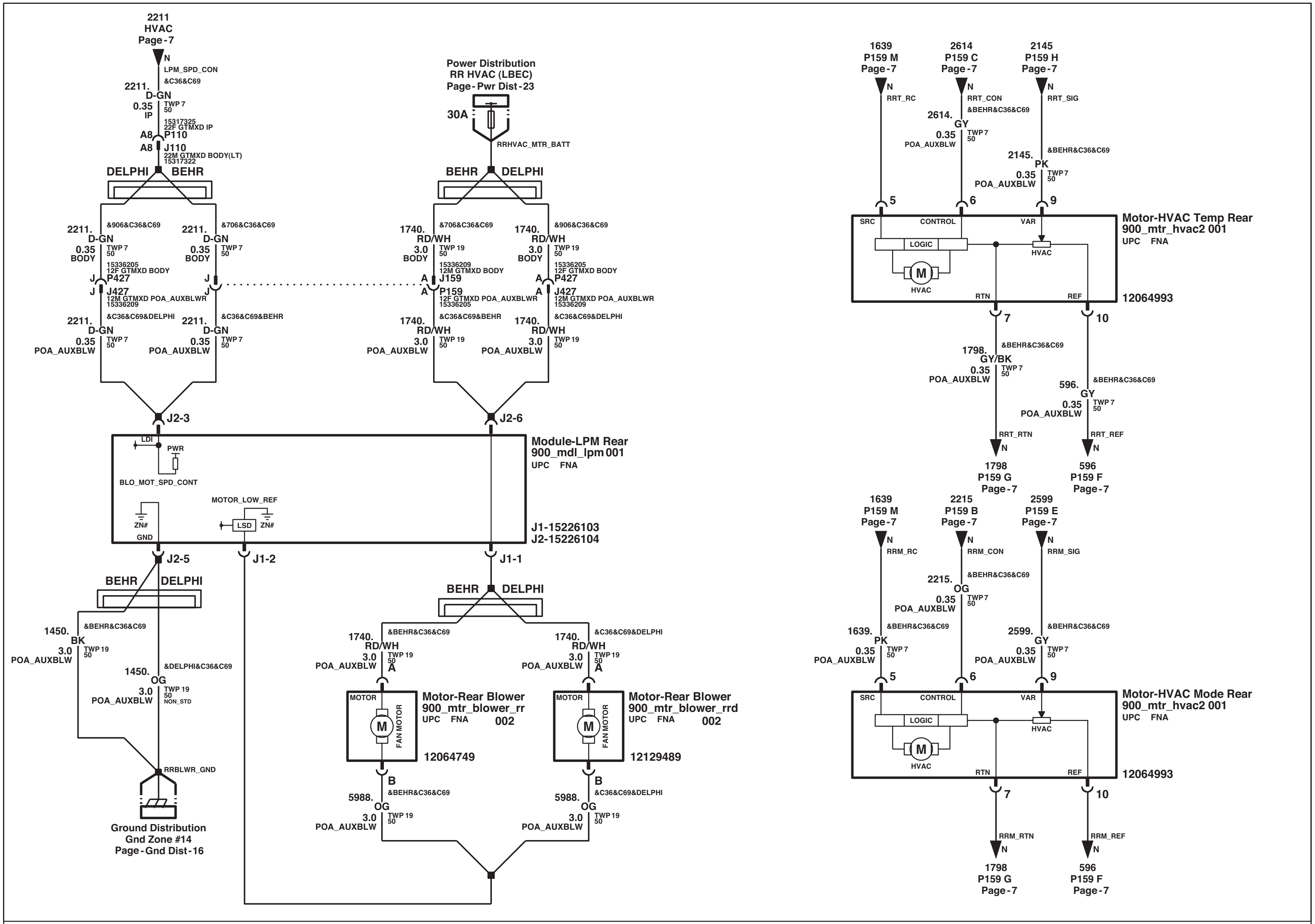
&CJ2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Automatic


Module-HVAC Auto
900_mdl_hvac8_cj2 006
UPC FNA
J1-15491305
J2-15136073
J3-15491304
J4-15483874
RR_BLO_MOT_SPD_CONT
LSD
ZN#
PWM
5V_REF
5V
SRC
LO_REF
GND
REF
RR_MOD_MOT_SIG
A/D
RR_MOD_DR_CONT
PWR
TRI
RR_AR_TMP_DR_CONT
PAS_AR_TMP_SW_SIG
J4-10
J4-2
J4-6
J1-19
J4-3
J4-4
J1-18
LPM_SPD_CON
2211 LPM Page-8
596. GY 0.35 IP &C36&C69 TWP 7 50
1798. GY/BK 0.35 IP
2599. GY 0.35 IP
2215. OG 0.35 IP
2614. GY 0.35 IP
2145. PK 0.35 IP
15317325 22F GTMXD IP P217
J217 22M GTMXD BODY(RT) 15317322
P110
J110 22M GTMXD BODY(LT) 15317322
A10
A11
B1
B2
B3
A7
DELPHI
BEHR
&906&C36&C69
&706&C36&C69
0.35 BODY
15336205 12F GTMXD BODY P427
J427 12M GTMXD POA_AUXBLWR 15336209
15336209 12M GTMXD BODY J159
P159 12F GTMXD POA_AUXBLWR 15336205
2599 REAR MODE Page-8
RRM_SIG
2215 REAR MODE Page-8
RRM_CON
2614 REAR TEMP Page-8
RRT_CON
2145 REAR TEMP Page-8
RRT_SIG
Power Distribution
AUX A/C (UBEC via RHBLK)
Page-Pwr Dist-19
10A
HVAC_RR_RC
RRT_REF
596 REAR TEMP Page-8
RRT_RTN
1798 REAR TEMP Page-8
&BEHR&C36&C69
0.35 POA_AUXBLW
RRM_REF
596 REAR MODE Page-8
RRM_RTN
1798 REAR MODE Page-8
&C36&C69&DELPHI
1639. PK
Motor-HVAC Mode Rear
900_mtr_hvac 001
UPC FNA
12064993
VAR
CONTROL
SRC
HVAC
LOGIC
M
REF
RTN
Motor-HVAC Temp Rear
900_mtr_hvac2 001
POA_AUXBLW
RRM_RC
1639 REAR MODE Page-8
RRT_RC
1639 REAR TEMP Page-8
ARE16386
003
GMT900
GM Proprietary
Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI
HVAC: Climate Control Front
HV01 Panel 7 of 9
Automatic
&CJ2
2008
GMT900
MVBS
System Status:
Object Status:

HVAC: Automatic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HVAC
Page-7
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LPM_SPD_CON
&C36&C69
2211.
D-GN
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IP
TWP 7
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15317325
22F GTMXD IP
A8 P110
A8 J110
22M GTMXD BODY(LT)
15317322
DELPHI
BEHR
2211.
D-GN
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BODY
&906&C36&C69
TWP 7
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15336205
12F GTMXD BODY
J P427
J J427
12M GTMXD POA_AUXBLWR
15336209
2211.
D-GN
0.35
POA_AUXBLW
&C36&C69&DELPHI
&706&C36&C69
&C36&C69&BEHR
J2-3
Power Distribution
RR HVAC (LBEC)
Page-Pwr Dist-23
30A
RRHVAC_MTR_BATT
BEHR
DELPHI
1740.
RD/WH
3.0
BODY
TWP 19
50
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12M GTMXD BODY
A J159
A P159
12F GTMXD POA_AUXBLWR
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&906&C36&C69
A P427
A J427
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&C36&C69&DELPHI
1740.
RD/WH
3.0
POA_AUXBLW
J2-6
Module-LPM Rear
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UPC FNA
LDI
PWR
BLO_MOT_SPD_CONT
MOTOR_LOW_REF
ZN#
GND
LSD
ZN#
J1-15226103
J2-15226104
J2-5
J1-2
J1-1
BEHR
DELPHI
1450.
BK
3.0
POA_AUXBLW
&BEHR&C36&C69
TWP 19
50
1450.
OG
3.0
POA_AUXBLW
&DELPHI&C36&C69
TWP 19
50
NON_STD
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Ground Distribution
Gnd Zone #14
Page-Gnd Dist-16
BEHR
DELPHI
1740.
RD/WH
3.0
POA_AUXBLW
&BEHR&C36&C69
TWP 19
50
A
MOTOR
M
FAN MOTOR
Motor-Rear Blower
900_mtr_blower_rr
UPC FNA 002
12064749
B
5988.
OG
3.0
POA_AUXBLW
&BEHR&C36&C69
TWP 19
50
1740.
RD/WH
3.0
POA_AUXBLW
&C36&C69&DELPHI
A
MOTOR
M
FAN MOTOR
Motor-Rear Blower
900_mtr_blower_rrd
UPC FNA 002
12129489
B
5988.
OG
3.0
POA_AUXBLW
&C36&C69&DELPHI
1639
P159 M
Page-7
N
RRT_RC
2614
P159 C
Page-7
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2614.
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POA_AUXBLW
TWP 7
50
2145
P159 H
Page-7
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RRT_SIG
&BEHR&C36&C69
2145.
PK
0.35
POA_AUXBLW
TWP 7
50
5
6
9
SRC
CONTROL
VAR
LOGIC
HVAC
M
HVAC
RTN
REF
Motor-HVAC Temp Rear
900_mtr_hvac2 001
UPC FNA
12064993
7
10
1798.
GY/BK
0.35
POA_AUXBLW
&BEHR&C36&C69
TWP 7
50
596.
GY
0.35
POA_AUXBLW
&BEHR&C36&C69
TWP 7
50
RRT_RTN
N
1798
P159 G
Page-7
RRT_REF
N
596
P159 F
Page-7
1639
P159 M
Page-7
N
RRM_RC
2215
P159 B
Page-7
N
RRM_CON
&BEHR&C36&C69
2215.
OG
0.35
POA_AUXBLW
TWP 7
50
2599
P159 E
Page-7
N
RRM_SIG
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PK
0.35
POA_AUXBLW
&BEHR&C36&C69
TWP 7
50
2599.
GY
0.35
POA_AUXBLW
&BEHR&C36&C69
TWP 7
50
5
6
9
SRC
CONTROL
VAR
LOGIC
HVAC
M
HVAC
RTN
REF
Motor-HVAC Mode Rear
900_mtr_hvac2 001
UPC FNA
12064993
7
10
RRM_RTN
N
1798
P159 G
Page-7
RRM_REF
N
596
P159 F
Page-7

ARE16386
003
GMT900
GM Proprietary

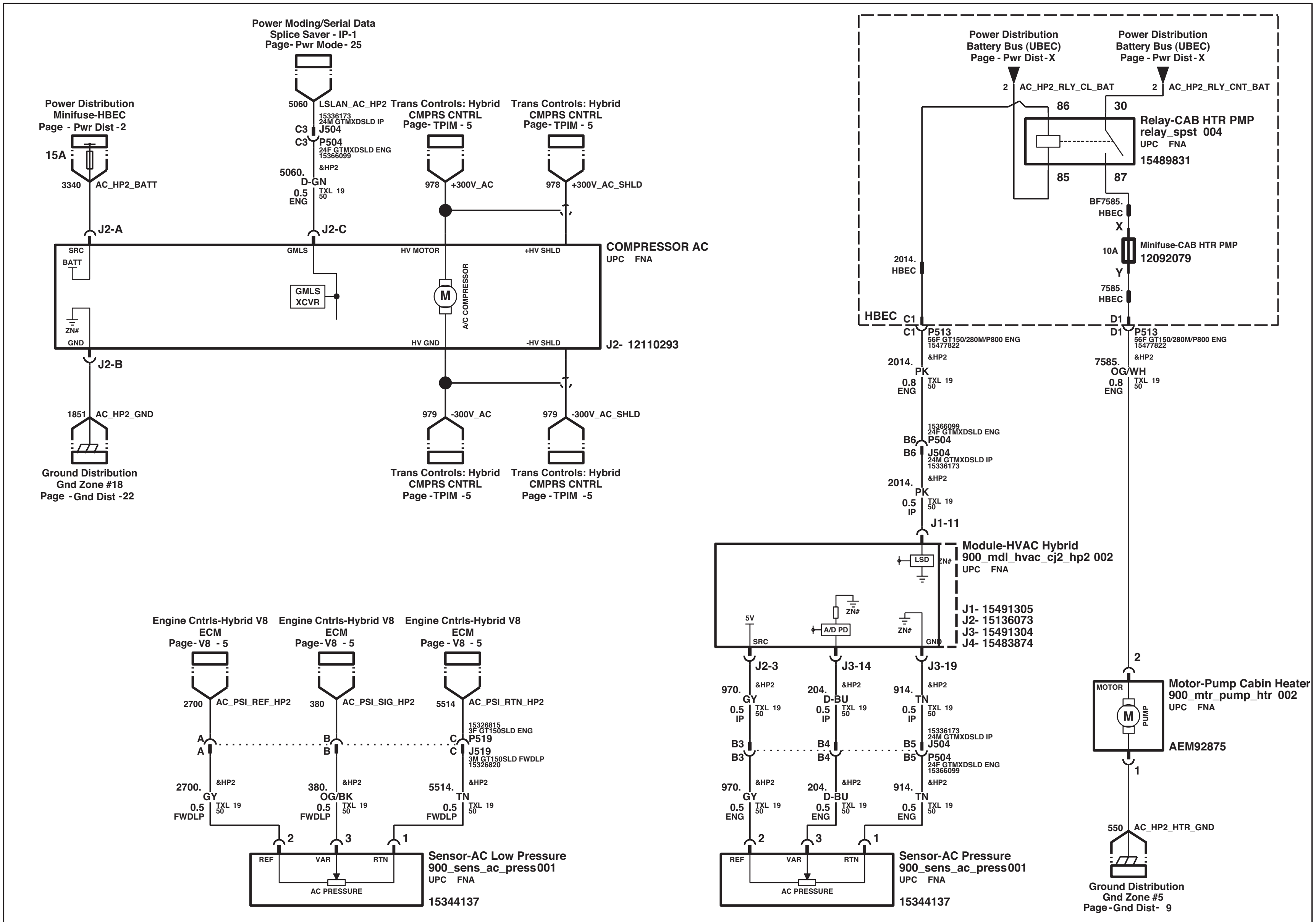
Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

HVAC: Climate Control Front Automatic

HV01 Panel 8 of 9 Panel Set: 8 &CJ2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Automatic


Power Moding/Serial Data
Splice Saver - IP-1
Page- Pwr Mode- 25
Power Distribution
Minifuse-HBEC
Page - Pwr Dist -2
15A
3340 AC_HP2_BATT
5060 LSLAN_AC_HP2
15336173 24M GTMXDSLD IP
C3 J504
C3 P504
24F GTMXDSLD ENG 15366099
&HP2
5060.
D-GN
0.5 ENG
TXL 19 50
Trans Controls: Hybrid
CMPRS CNTRL
Page- TPIM - 5
978 +300V_AC
978 +300V_AC_SHLD
J2-A
J2-C
SRC
BATT
GMLS
HV MOTOR
+HV SHLD
COMPRESSOR AC
UPC FNA
GMLS XCVR
M
A/C COMPRESSOR
ZN#
GND
HV GND
-HV SHLD
J2- 12110293
J2-B
1851 AC_HP2_GND
979 -300V_AC
979 -300V_AC_SHLD
Ground Distribution
Gnd Zone #18
Page - Gnd Dist -22
Trans Controls: Hybrid
CMPRS CNTRL
Page -TPIM -5
Power Distribution
Battery Bus (UBEC)
Page - Pwr Dist-X
2 AC_HP2_RLY_CL_BAT
2 AC_HP2_RLY_CNT_BAT
86
30
85
87
Relay-CAB HTR PMP
relay_spst 004
UPC FNA
15489831
BF7585.
HBEC
X
10A
Minifuse-CAB HTR PMP
12092079
Y
7585.
HBEC
2014.
HBEC
HBEC C1
C1 P513
D1
D1 P513
56F GT150/280M/P800 ENG 15477822
&HP2
2014.
PK
0.8 ENG
7585.
OG/WH
0.8 ENG
TXL 19 50
15366099 24F GTMXDSLD ENG
B6 P504
B6 J504
24M GTMXDSLD IP 15336173
2014.
PK
0.5 IP
J1-11
Module-HVAC Hybrid
900_mdl_hvac_cj2_hp2 002
UPC FNA
LSD
ZN#
J1- 15491305
J2- 15136073
J3- 15491304
J4- 15483874
5V
A/D PD
SRC
GND
J2-3
J3-14
J3-19
970.
GY
204.
D-BU
914.
TN
0.5 IP
B3
B4
B5
15336173 24M GTMXDSLD IP
J504
P504
24F GTMXDSLD ENG 15366099
970.
GY
204.
D-BU
914.
TN
0.5 ENG
2
3
1
REF
VAR
RTN
AC PRESSURE
Sensor-AC Pressure
900_sens_ac_press001
UPC FNA
15344137
Engine Cntrls-Hybrid V8
ECM
Page- V8 - 5
2700 AC_PSI_REF_HP2
380 AC_PSI_SIG_HP2
5514 AC_PSI_RTN_HP2
15326815 3F GT150SLD ENG
A
B
C P519
C J519
3M GT150SLD FWDLP 15326820
2700.
GY
380.
OG/BK
5514.
TN
0.5 FWDLP
Sensor-AC Low Pressure
900_sens_ac_press001
UPC FNA
15344137
MOTOR
M
PUMP
Motor-Pump Cabin Heater
900_mtr_pump_htr 002
UPC FNA
AEM92875
550 AC_HP2_HTR_GND
Ground Distribution
Gnd Zone #5
Page-Gnd Dist- 9

ARE16386
003
GMT900
GM Proprietary

Monday, October 23, 2006
12:13:11 pm 8
IEC/ESI

HVAC: Climate Control Front

HV01 Panel 9 of 9

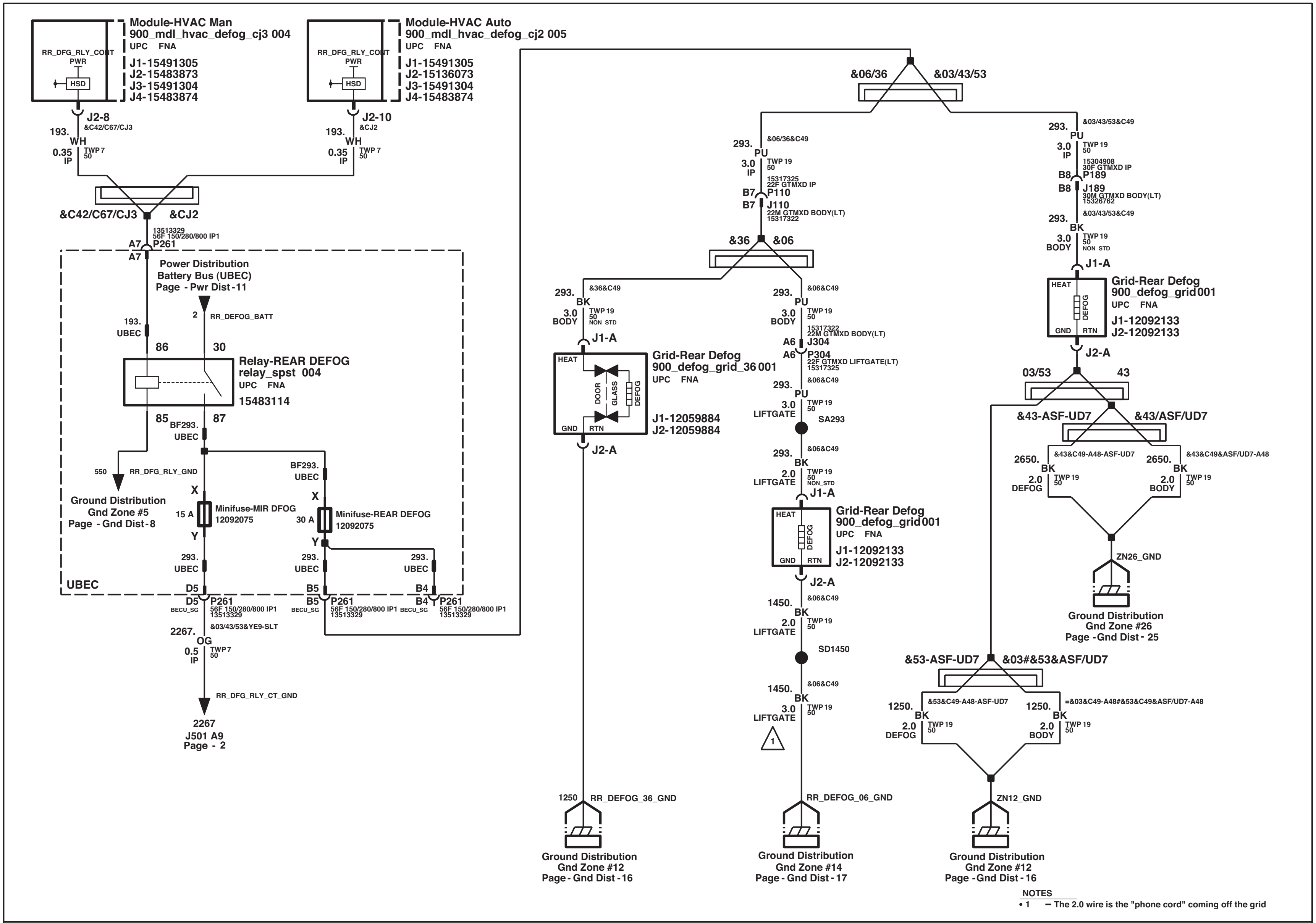
Automatic

&CJ2

2008
GMT900
MVBS

System Status: Object Status:

HVAC: Defog


Module-HVAC Man
900_mdl_hvac_defog_cj3 004
UPC FNA
RR_DFG_RLY_CONT
PWR
HSD
J1-15491305
J2-15483873
J3-15491304
J4-15483874
J2-8
&C42/C67/CJ3
193.
WH
0.35
IP
TWP 7
50
Module-HVAC Auto
900_mdl_hvac_defog_cj2 005
UPC FNA
RR_DFG_RLY_CONT
PWR
HSD
J1-15491305
J2-15136073
J3-15491304
J4-15483874
J2-10
&CJ2
193.
WH
0.35
IP
TWP 7
50
&C42/C67/CJ3
&CJ2
13513329
56F 150/280/800 IP1
A7 P261
A7
Power Distribution
Battery Bus (UBEC)
Page - Pwr Dist - 11
2 RR_DEFOG_BATT
193.
UBEC
86
30
Relay-REAR DEFOG
relay_spst 004
UPC FNA
15483114
85
87
BF293.
UBEC
550 RR_DFG_RLY_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 8
X
15 A
Minifuse-MIR DFOG
12092075
Y
BF293.
UBEC
X
30 A
Minifuse-REAR DEFOG
12092075
Y
293.
UBEC
293.
UBEC
293.
UBEC
UBEC
D5
D5 P261
BECU_SG
56F 150/280/800 IP1
13513329
B5
B5 P261
BECU_SG
56F 150/280/800 IP1
13513329
B4
B4 P261
BECU_SG
56F 150/280/800 IP1
13513329
2267.
&03/43/53&YE9-SLT
OG
0.5
IP
TWP 7
50
RR_DFG_RLY_CT_GND
2267
J501 A9
Page - 2
&06/36
&03/43/53
293.
&06/36&C49
PU
3.0
IP
TWP 19
50
15317325
22F GTMXD IP
B7 P110
B7 J110
22M GTMXD BODY(LT)
15317322
&36
&06
293.
&36&C49
BK
3.0
BODY
TWP 19
50
NON_STD
J1-A
HEAT
DOOR
GLASS
DEFOG
GND
RTN
Grid-Rear Defog
900_defog_grid_36 001
UPC FNA
J1-12059884
J2-12059884
J2-A
1250 RR_DEFOG_36_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 16
293.
&06&C49
PU
3.0
BODY
TWP 19
50
15317322
22M GTMXD BODY(LT)
A6 J304
A6 P304
22F GTMXD LIFTGATE(LT)
15317325
293.
&06&C49
PU
3.0
LIFTGATE
TWP 19
50
SA293
293.
&06&C49
BK
2.0
LIFTGATE
TWP 19
50
NON_STD
J1-A
HEAT
DEFOG
GND
RTN
Grid-Rear Defog
900_defog_grid 001
UPC FNA
J1-12092133
J2-12092133
J2-A
1450.
&06&C49
BK
2.0
LIFTGATE
TWP 19
50
SD1450
1450.
&06&C49
BK
3.0
LIFTGATE
TWP 19
50
1
RR_DEFOG_06_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
293.
&03/43/53&C49
PU
3.0
IP
TWP 19
50
15304908
30F GTMXD IP
B8 P189
B8 J189
30M GTMXD BODY(LT)
15326762
293.
&03/43/53&C49
BK
3.0
BODY
TWP 19
50
NON_STD
J1-A
HEAT
DEFOG
GND
RTN
Grid-Rear Defog
900_defog_grid 001
UPC FNA
J1-12092133
J2-12092133
J2-A
03/53
43
&43-ASF-UD7
&43/ASF/UD7
2650.
&43&C49-A48-ASF-UD7
BK
2.0
DEFOG
TWP 19
50
2650.
&43&C49&ASF/UD7-A48
BK
2.0
BODY
TWP 19
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ZN26_GND
Ground Distribution
Gnd Zone #26
Page - Gnd Dist - 25
&53-ASF-UD7
&03#&53&ASF/UD7
1250.
&53&C49-A48-ASF-UD7
BK
2.0
DEFOG
TWP 19
50
1250.
=&03&C49-A48#&53&C49&ASF/UD7-A48
BK
2.0
BODY
TWP 19
50
ZN12_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 16

NOTES
- 1 – The 2.0 wire is the "phone cord" coming off the grid

ARE16387
003
GMT900
GM Proprietary

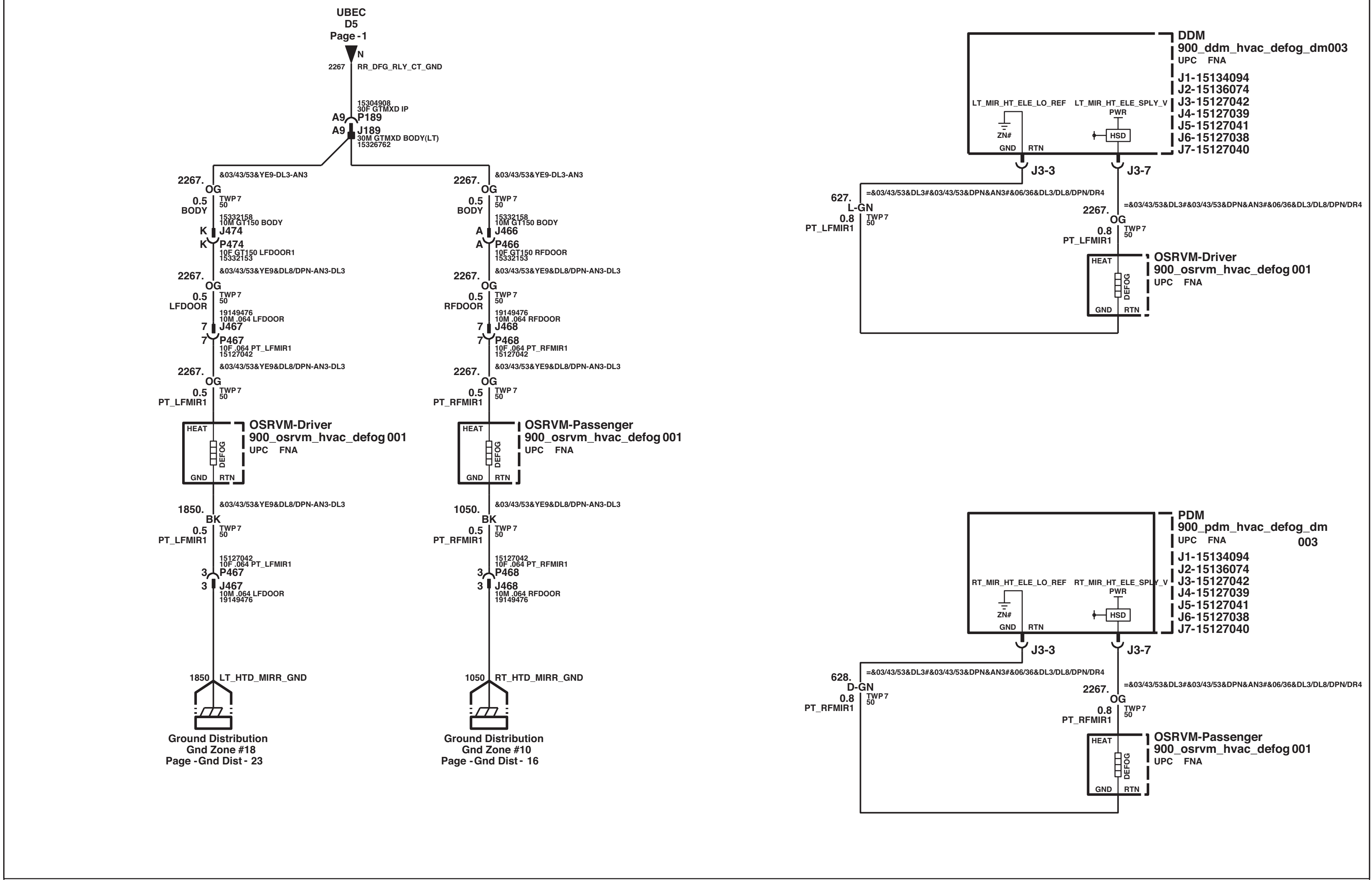
Tuesday, October 10, 2006
2:23:45 pm 4
IEC/ESI

HVAC: Defog

HV04 Panel 1 of 2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Defog


UBEC
D5
Page - 1
N
2267 RR_DFG_RLY_CT_GND
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A9 P189
A9 J189
30M GTMXD BODY(LT)
15326762
2267.
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&03/43/53&YE9-DL3-AN3
0.5
BODY
TWP 7
50
15332158
10M GT150 BODY
K J474
K P474
10F GT150 LFDOOR1
15332153
A J466
A P466
10F GT150 RFDOOR
15332153
&03/43/53&YE9&DL8/DPN-AN3-DL3
LFDOOR
RFDOOR
19149476
10M .064 LFDOOR
10M .064 RFDOOR
7 J467
7 P467
10F .064 PT_LFMIR1
15127042
7 J468
7 P468
10F .064 PT_RFMIR1
PT_LFMIR1
PT_RFMIR1
HEAT
DEFOG
GND
RTN
OSRVM-Driver
900_osrvm_hvac_defog 001
UPC FNA
OSRVM-Passenger
900_osrvm_hvac_defog 001
UPC FNA
1850.
BK
1050.
BK
3 P467
3 J467
3 P468
3 J468
1850 LT_HTD_MIRR_GND
1050 RT_HTD_MIRR_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 23
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 16
DDM
900_ddm_hvac_defog_dm003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
LT_MIR_HT_ELE_LO_REF
LT_MIR_HT_ELE_SPLY_V
PWR
ZN#
HSD
J3-3
J3-7
627.
L-GN
0.8
=&03/43/53&DL3#&03/43/53&DPN&AN3#&06/36&DL3/DL8/DPN/DR4
2267.
OG
PDM
900_pdm_hvac_defog_dm
003
RT_MIR_HT_ELE_LO_REF
RT_MIR_HT_ELE_SPLY_V
628.
D-GN

ARE16387
003
GMT900
GM Proprietary

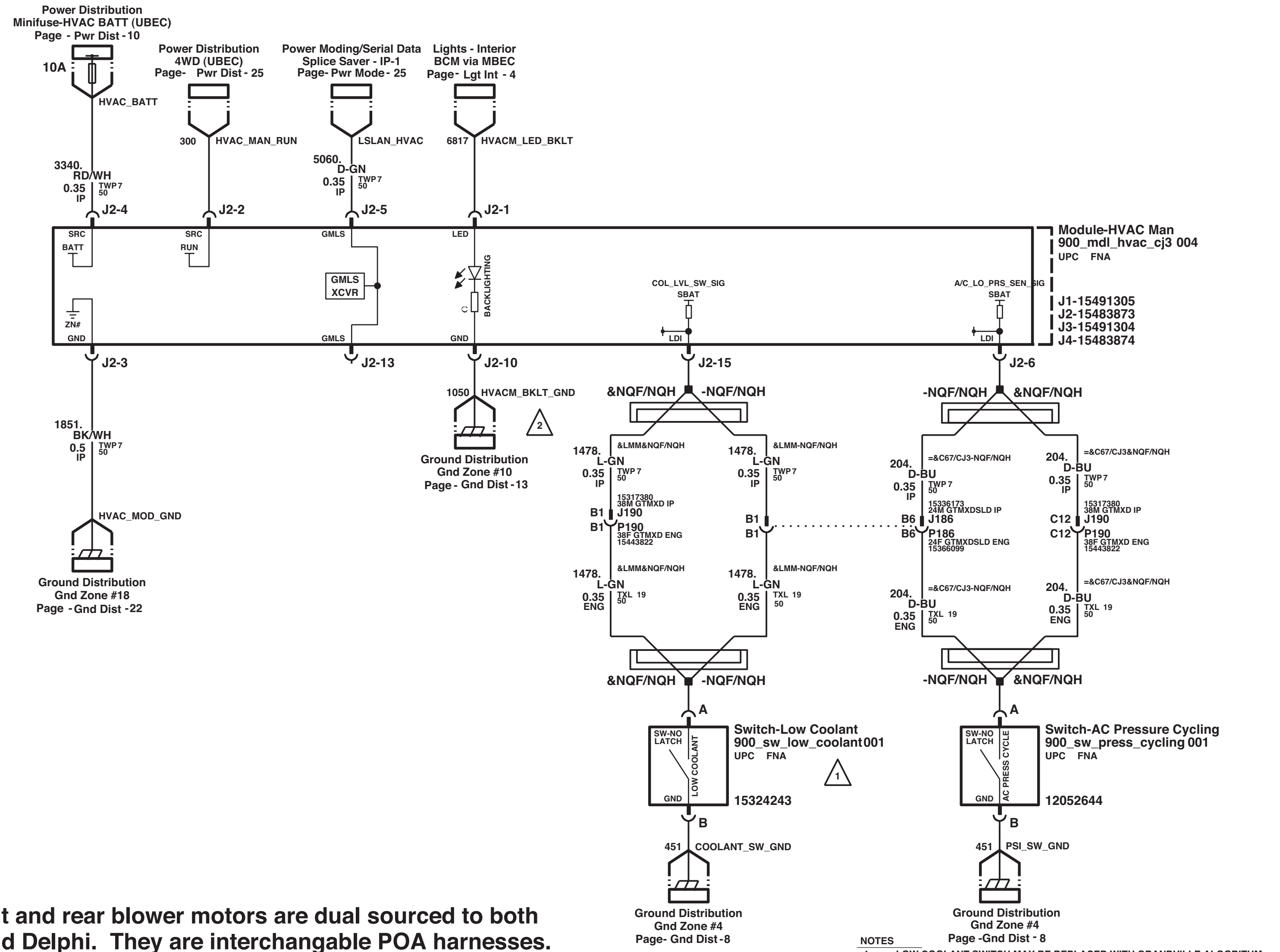
Tuesday, October 10, 2006
2:23:45 pm 4
IEC/ESI

HVAC: Defog

HV04 Panel 2 of 2

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Manual



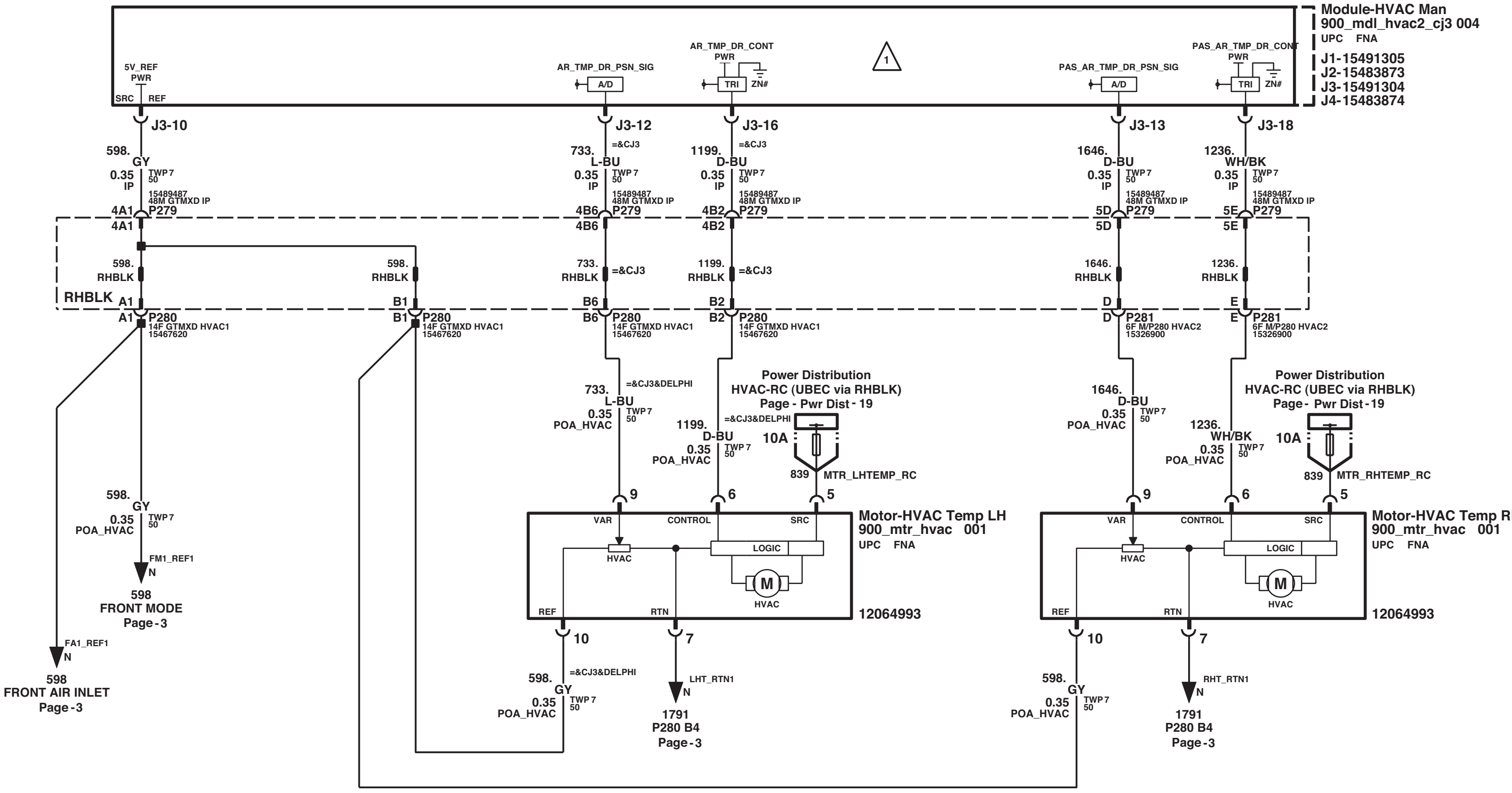
Power Distribution
Minifuse-HVAC BATT (UBEC)
Page - Pwr Dist - 10
10A
HVAC_BATT
Power Distribution
4WD (UBEC)
Page- Pwr Dist - 25
300 HVAC_MAN_RUN
Power Moding/Serial Data
Splice Saver - IP-1
Page- Pwr Mode - 25
LSLAN_HVAC
Lights - Interior
BCM via MBEC
Page- Lgt Int - 4
6817 HVACM_LED_BKLT
3340. RD/WH 0.35 IP TWP 7 50
5060. D-GN 0.35 IP TWP 7 50
J2-4
J2-2
J2-5
J2-1
SRC BATT
SRC RUN
GMLS
LED
GMLS XCVR
BACKLIGHTING
ZN#
GND
GMLS
GND
COL_LVL_SW_SIG
SBAT
LDI
A/C_LO_PRS_SEN_SIG
SBAT
LDI
Module-HVAC Man
900_mdl_hvac_cj3 004
UPC FNA
J1-15491305
J2-15483873
J3-15491304
J4-15483874
J2-3
J2-13
J2-10
J2-15
J2-6
1050 HVACM_BKLT_GND
2
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13
1851. BK/WH 0.5 IP TWP 7 50
HVAC_MOD_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
&NQF/NQH
-NQF/NQH
-NQF/NQH
&NQF/NQH
1478. L-GN 0.35 IP TWP 7 50 &LMM&NQF/NQH
1478. L-GN 0.35 IP TWP 7 50 &LMM-NQF/NQH
204. D-BU 0.35 IP TWP 7 50 =&C67/CJ3-NQF/NQH
204. D-BU 0.35 IP TWP 7 50 =&C67/CJ3&NQF/NQH
15317380 38M GTMXD IP
B1 J190
B1 P190
38F GTMXD ENG 15443822
B1
B1
15336173 24M GTMXDSLD IP
B6 J186
B6 P186
24F GTMXDSLD ENG 15366099
15317380 38M GTMXD IP
C12 J190
C12 P190
38F GTMXD ENG 15443822
1478. L-GN 0.35 ENG TXL 19 50 &LMM&NQF/NQH
1478. L-GN 0.35 ENG TXL 19 50 &LMM-NQF/NQH
204. D-BU 0.35 ENG TXL 19 50 =&C67/CJ3-NQF/NQH
204. D-BU 0.35 ENG TXL 19 50 =&C67/CJ3&NQF/NQH
&NQF/NQH
-NQF/NQH
-NQF/NQH
&NQF/NQH
A
A
SW-NO LATCH
LOW COOLANT
GND
Switch-Low Coolant
900_sw_low_coolant001
UPC FNA
1
15324243
SW-NO LATCH
AC PRESS CYCLE
GND
Switch-AC Pressure Cycling
900_sw_press_cycling 001
UPC FNA
12052644
B
B
451 COOLANT_SW_GND
451 PSI_SW_GND
Ground Distribution
Gnd Zone #4
Page- Gnd Dist - 8
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8

- **The front and rear blower motors are dual sourced to both**
- **Behr and Delphi. They are interchangable POA harnesses.**
- **"BEHR" and "DELPHI" RPOs represents that suppliers system.**

NOTES
- 1 – LOW COOLANT SWITCH MAY BE REPLACED WITH GRANDVILLE ALGORITHM
- – SWITCH IS NORMALLY OPEN - HELD CLOSED AT NORMAL FLUID LEVEL
- 2 – LED BACKLIGHTING GROUND MAY BE INTERNALLY TIED TO 1851 MODULE GROUND

ARE16388 003 GMT900 GM Proprietary	Friday, September 29, 2006 7:27:30 am 10 IEC/ESI	HVAC: Manual HVAC: MANUAL Panel 1 of 7 &C42/C67/CJ3	2008 GMT900 MVBS System Status: Object Status:

HVAC: Manual


Module-HVAC Man
900_mdl_hvac2_cj3 004
UPC FNA
J1-15491305
J2-15483873
J3-15491304
J4-15483874
5V_REF
PWR
SRC
REF
AR_TMP_DR_PSN_SIG
A/D
AR_TMP_DR_CONT
PWR
TRI
ZN#
1
PAS_AR_TMP_DR_PSN_SIG
A/D
PAS_AR_TMP_DR_CONT
PWR
TRI
ZN#
J3-10
J3-12
J3-16
J3-13
J3-18
598.
GY
0.35
IP
TWP 7
50
15489487
48M GTMXD IP
4A1
P279
733.
=&CJ3
L-BU
4B6
1199.
D-BU
4B2
1646.
D-BU
5D
1236.
WH/BK
5E
RHBLK
A1
B1
B6
B2
D
E
P280
14F GTMXD HVAC1
15467620
P281
6F M/P280 HVAC2
15326900
=&CJ3&DELPHI
POA_HVAC
Power Distribution
HVAC-RC (UBEC via RHBLK)
Page - Pwr Dist - 19
10A
839
MTR_LHTEMP_RC
MTR_RHTEMP_RC
9
6
5
10
7
VAR
CONTROL
SRC
LOGIC
HVAC
M
REF
RTN
Motor-HVAC Temp LH
900_mtr_hvac 001
UPC FNA
12064993
Motor-HVAC Temp RH
900_mtr_hvac 001
UPC FNA
12064993
FM1_REF1
N
598
FRONT MODE
Page - 3
FA1_REF1
N
598
FRONT AIR INLET
Page - 3
LHT_RTN1
N
1791
P280 B4
Page - 3
RHT_RTN1
N
1791
P280 B4
Page - 3

NOTES
- 1 – IF MIRRORS GO GMLAN - WILL NEED OAT SENSOR IN CJ3 (J2-9)

ARE16388
003
GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

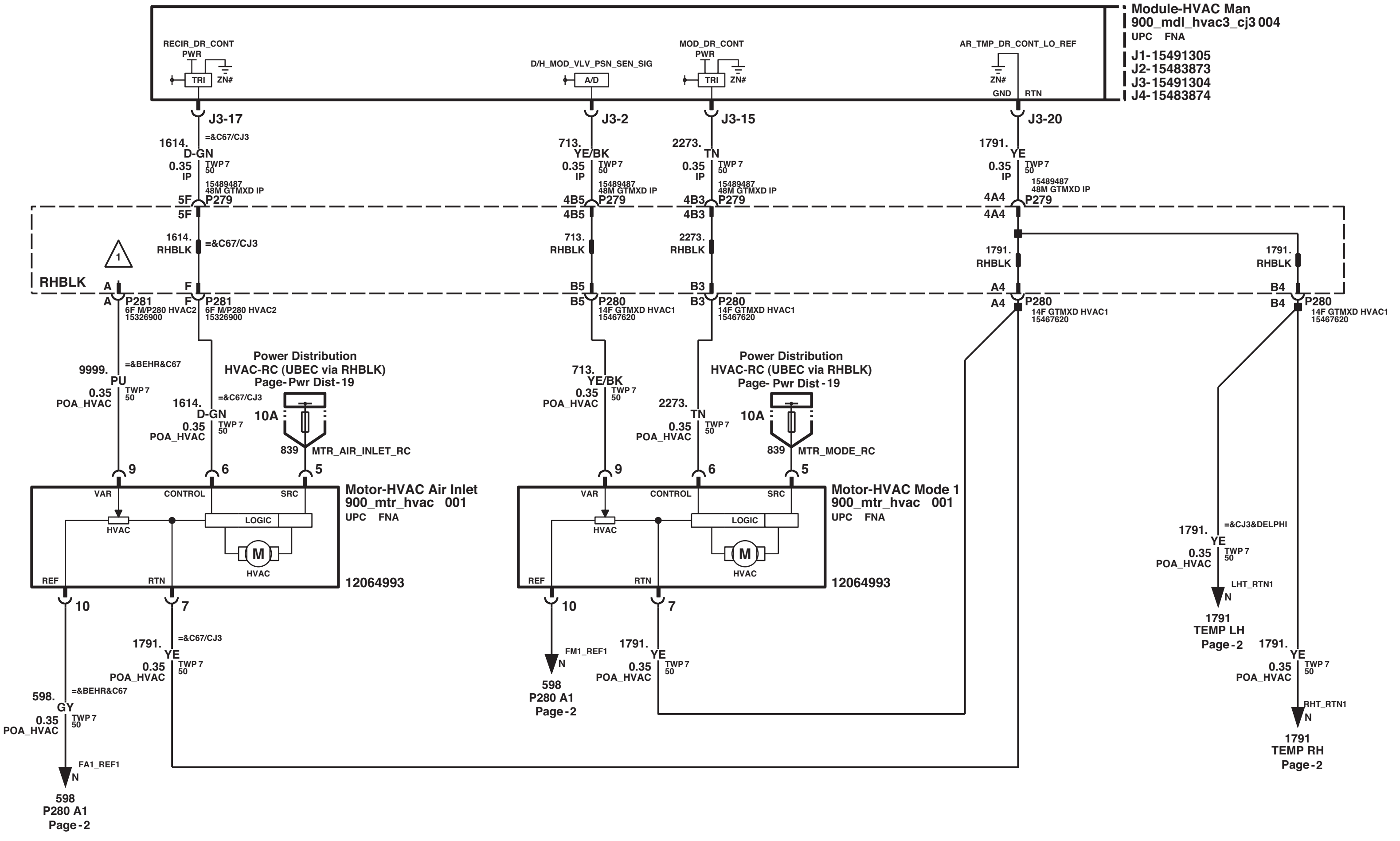
HVAC: Manual

HVAC: MANUAL Panel 2 of 7

&C42/C67/CJ3

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Manual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900_mdl_hvac3_cj3 004
UPC FNA
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J2-15483873
J3-15491304
J4-15483874
RECIR_DR_CONT
PWR
TRI
ZN#
D/H_MOD_VLV_PSN_SEN_SIG
A/D
MOD_DR_CONT
PWR
TRI
ZN#
AR_TMP_DR_CONT_LO_REF
ZN#
GND
RTN
J3-17
J3-2
J3-15
J3-20
1614.
=&C67/CJ3
D-GN
0.35
IP
TWP 7
50
15489487
48M GTMXD IP
5F
P279
713.
YE/BK
4B5
2273.
TN
4B3
1791.
YE
4A4
1614.
RHBLK
=&C67/CJ3
713.
RHBLK
2273.
RHBLK
1791.
RHBLK
1791.
RHBLK
1
RHBLK
A
F
P281
6F M/P280 HVAC2
15326900
B5
B3
P280
14F GTMXD HVAC1
15467620
A4
B4
9999.
=&BEHR&C67
PU
0.35
POA_HVAC
TWP 7
50
1614.
=&C67/CJ3
D-GN
0.35
POA_HVAC
Power Distribution
HVAC-RC (UBEC via RHBLK)
Page- Pwr Dist - 19
10A
839
MTR_AIR_INLET_RC
9
6
5
VAR
CONTROL
SRC
HVAC
LOGIC
M
HVAC
REF
RTN
Motor-HVAC Air Inlet
900_mtr_hvac 001
UPC FNA
12064993
10
7
713.
YE/BK
0.35
POA_HVAC
2273.
TN
0.35
POA_HVAC
Power Distribution
HVAC-RC (UBEC via RHBLK)
Page- Pwr Dist - 19
10A
839
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Motor-HVAC Mode 1
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YE
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598.
=&BEHR&C67
GY
0.35
POA_HVAC
FA1_REF1
N
598
P280 A1
Page - 2
FM1_REF1
N
598
P280 A1
Page - 2
1791.
YE
0.35
POA_HVAC
1791.
=&CJ3&DELPHI
YE
0.35
POA_HVAC
LHT_RTN1
N
1791
TEMP LH
Page - 2
1791.
YE
0.35
POA_HVAC
RHT_RTN1
N
1791
TEMP RH
Page - 2

NOTES
- 1 — BEHR C67 DIAGNOSTICS CIRCUIT - SUPPLIER USE ONLY

ARE16388
003
GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

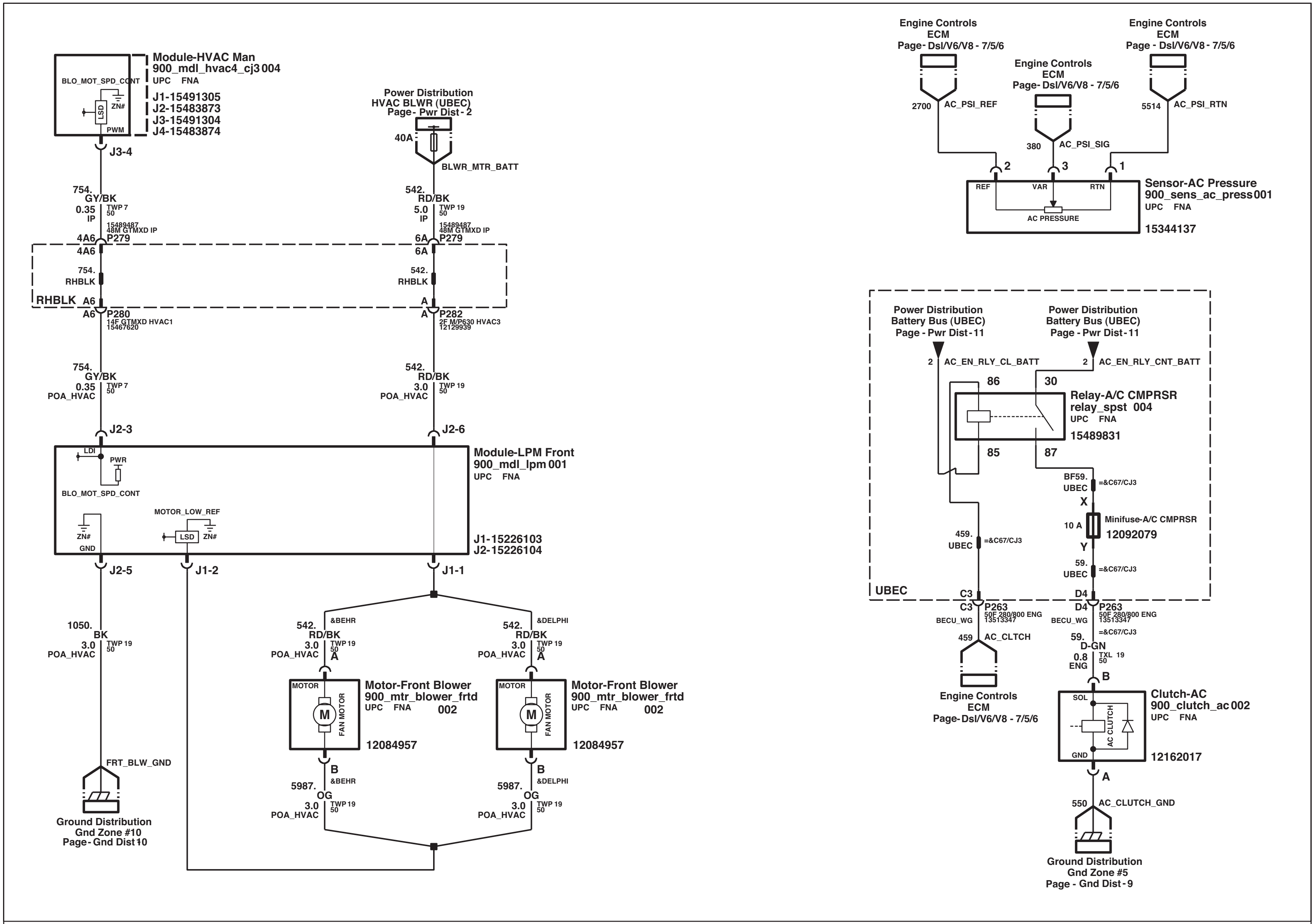
HVAC: Manual

HVAC: MANUAL Panel 3 of 7

&C42/C67/CJ3

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Manual


Module-HVAC Man
900_mdl_hvac4_cj3 004
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J1-15491305
J2-15483873
J3-15491304
J4-15483874
BLO_MOT_SPD_CONT
LSD
ZN#
PWM
J3-4
754.
GY/BK
0.35
IP
TWP 7
50
15489487
48M GTMXD IP
4A6
P279
4A6
754.
RHBLK
RHBLK A6
A6
P280
14F GTMXD HVAC1
15467620
754.
GY/BK
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POA_HVAC
TWP 7
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J2-3
Power Distribution
HVAC BLWR (UBEC)
Page- Pwr Dist - 2
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BLWR_MTR_BATT
542.
RD/BK
5.0
IP
TWP 19
50
15489487
48M GTMXD IP
6A
P279
6A
542.
RHBLK
A
A
P282
2F M/P630 HVAC3
12129939
542.
RD/BK
3.0
POA_HVAC
TWP 19
50
J2-6
Module-LPM Front
900_mdl_lpm 001
UPC FNA
LDI
PWR
BLO_MOT_SPD_CONT
MOTOR_LOW_REF
ZN#
GND
LSD
ZN#
J1-15226103
J2-15226104
J2-5
J1-2
J1-1
1050.
BK
3.0
POA_HVAC
TWP 19
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FRT_BLW_GND
Ground Distribution
Gnd Zone #10
Page- Gnd Dist 10
&BEHR
542.
RD/BK
3.0
POA_HVAC
TWP 19
50
A
MOTOR
M
FAN MOTOR
Motor-Front Blower
900_mtr_blower_frtd
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12084957
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&BEHR
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OG
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Motor-Front Blower
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&DELPHI
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ECM
Page- Dsl/V6/V8 - 7/5/6
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AC_PSI_REF
Engine Controls
ECM
Page- Dsl/V6/V8 - 7/5/6
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AC_PSI_SIG
Engine Controls
ECM
Page - Dsl/V6/V8 - 7/5/6
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AC_PSI_RTN
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3
1
REF
VAR
RTN
AC PRESSURE
Sensor-AC Pressure
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UPC FNA
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Power Distribution
Battery Bus (UBEC)
Page - Pwr Dist - 11
2 AC_EN_RLY_CL_BATT
Power Distribution
Battery Bus (UBEC)
Page - Pwr Dist - 11
2 AC_EN_RLY_CNT_BATT
86
30
Relay-A/C CMPRSR
relay_spst 004
UPC FNA
15489831
85
87
BF59.
UBEC
=&C67/CJ3
X
Minifuse-A/C CMPRSR
10 A
12092079
Y
59.
UBEC
=&C67/CJ3
459.
UBEC
=&C67/CJ3
UBEC
C3
C3
P263
50F 280/800 ENG
13513347
BECU_WG
459
AC_CLTCH
Engine Controls
ECM
Page-Dsl/V6/V8 - 7/5/6
D4
D4
P263
50F 280/800 ENG
13513347
BECU_WG
=&C67/CJ3
59.
D-GN
0.8
ENG
TXL 19
50
B
SOL
AC CLUTCH
GND
Clutch-AC
900_clutch_ac 002
UPC FNA
12162017
A
550
AC_CLUTCH_GND
Ground Distribution
Gnd Zone #5
Page - Gnd Dist - 9

ARE16388
003
GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

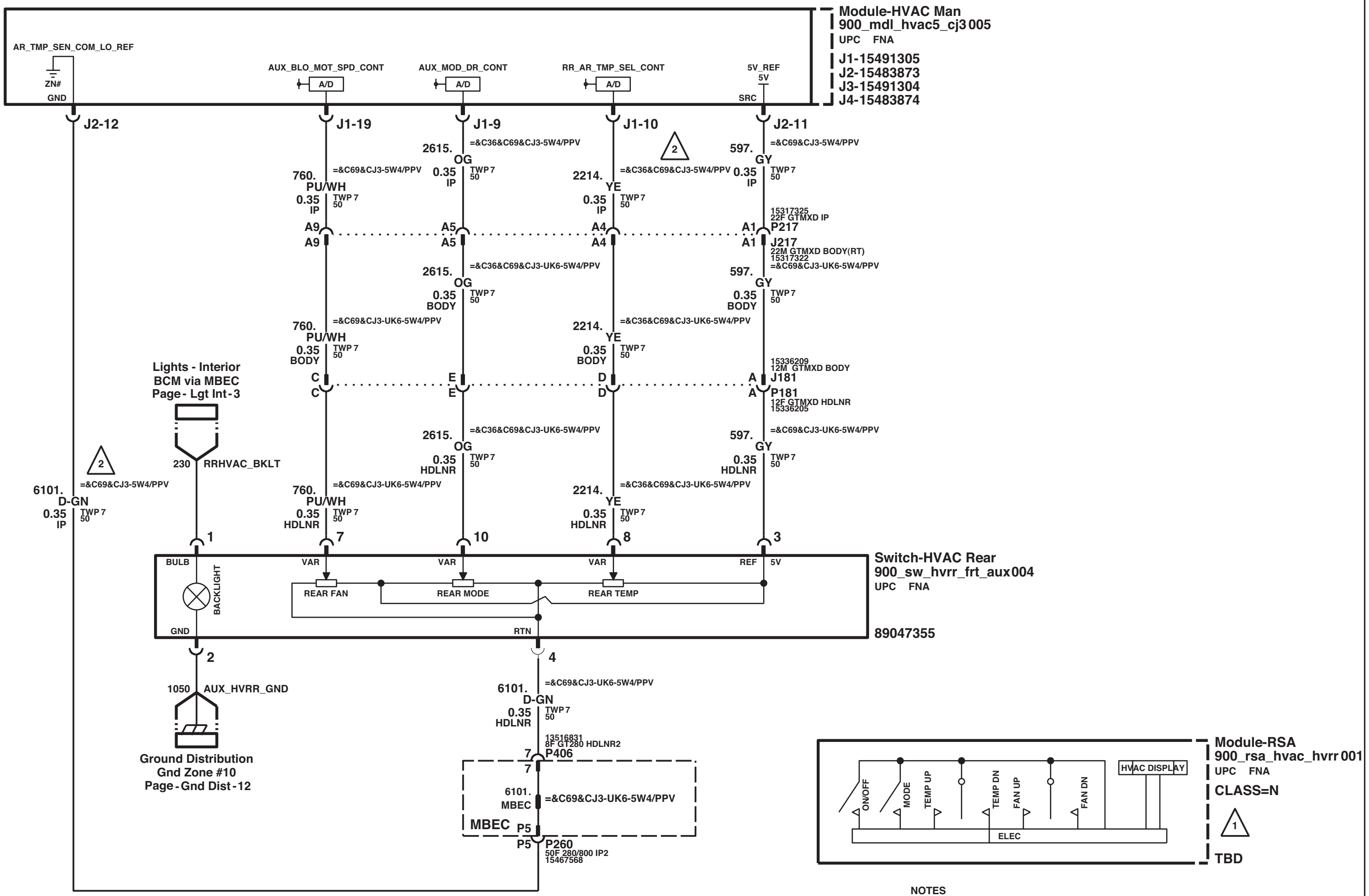
HVAC: Manual

HVAC: MANUAL Panel 4 of 7

&C42/C67/CJ3

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Manual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900_mdl_hvac5_cj3 005
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J2-15483873
J3-15491304
J4-15483874
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AUX_BLO_MOT_SPD_CONT
AUX_MOD_DR_CONT
RR_AR_TMP_SEL_CONT
5V_REF
5V
SRC
A/D
J2-12
J1-19
J1-9
J1-10
J2-11
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760. PU/WH 0.35 IP TWP 7 50 =&C69&CJ3-5W4/PPV
2214. YE 0.35 IP TWP 7 50 =&C36&C69&CJ3-5W4/PPV
597. GY 0.35 IP TWP 7 50 =&C69&CJ3-5W4/PPV
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P217
A9 A5 A4 A1
J217
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15317322
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2214. YE 0.35 BODY TWP 7 50 =&C36&C69&CJ3-UK6-5W4/PPV
597. GY 0.35 BODY TWP 7 50 =&C69&CJ3-UK6-5W4/PPV
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J181
C E D A
P181
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760. PU/WH 0.35 HDLNR TWP 7 50 =&C69&CJ3-UK6-5W4/PPV
2214. YE 0.35 HDLNR TWP 7 50 =&C36&C69&CJ3-UK6-5W4/PPV
597. GY 0.35 HDLNR TWP 7 50 =&C69&CJ3-UK6-5W4/PPV
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
230 RRHVAC_BKLT
6101. D-GN 0.35 IP TWP 7 50 =&C69&CJ3-5W4/PPV
2
1 7 10 8 3
Switch-HVAC Rear
900_sw_hvrr_frt_aux 004
UPC FNA
89047355
BULB
BACKLIGHT
GND
VAR
VAR
VAR
REF 5V
REAR FAN
REAR MODE
REAR TEMP
RTN
2
4
1050 AUX_HVRR_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
6101. D-GN 0.35 HDLNR TWP 7 50 =&C69&CJ3-UK6-5W4/PPV
13516831
8F GT280 HDLNR2
7 P406
6101. MBEC =&C69&CJ3-UK6-5W4/PPV
MBEC P5
P5 P260
50F 280/800 IP2
15467568
Module-RSA
900_rsa_hvac_hvrr 001
UPC FNA
CLASS=N
HVAC DISPLAY
ON/OFF
MODE
TEMP UP
TEMP DN
FAN UP
FAN DN
ELEC
1
TBD

NOTES
- 1 – INTEGRATED RSA/RHVAC CONTROLS FOR &C69&UK6
- 2 – RPO STRING MODIFIED TO FIX PHL TO HARNESS SOFTWARE ERROR.
- – -UK6 REMOVED FROM RPO STRING FOR IP HARNESS

ARE16388
003
GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

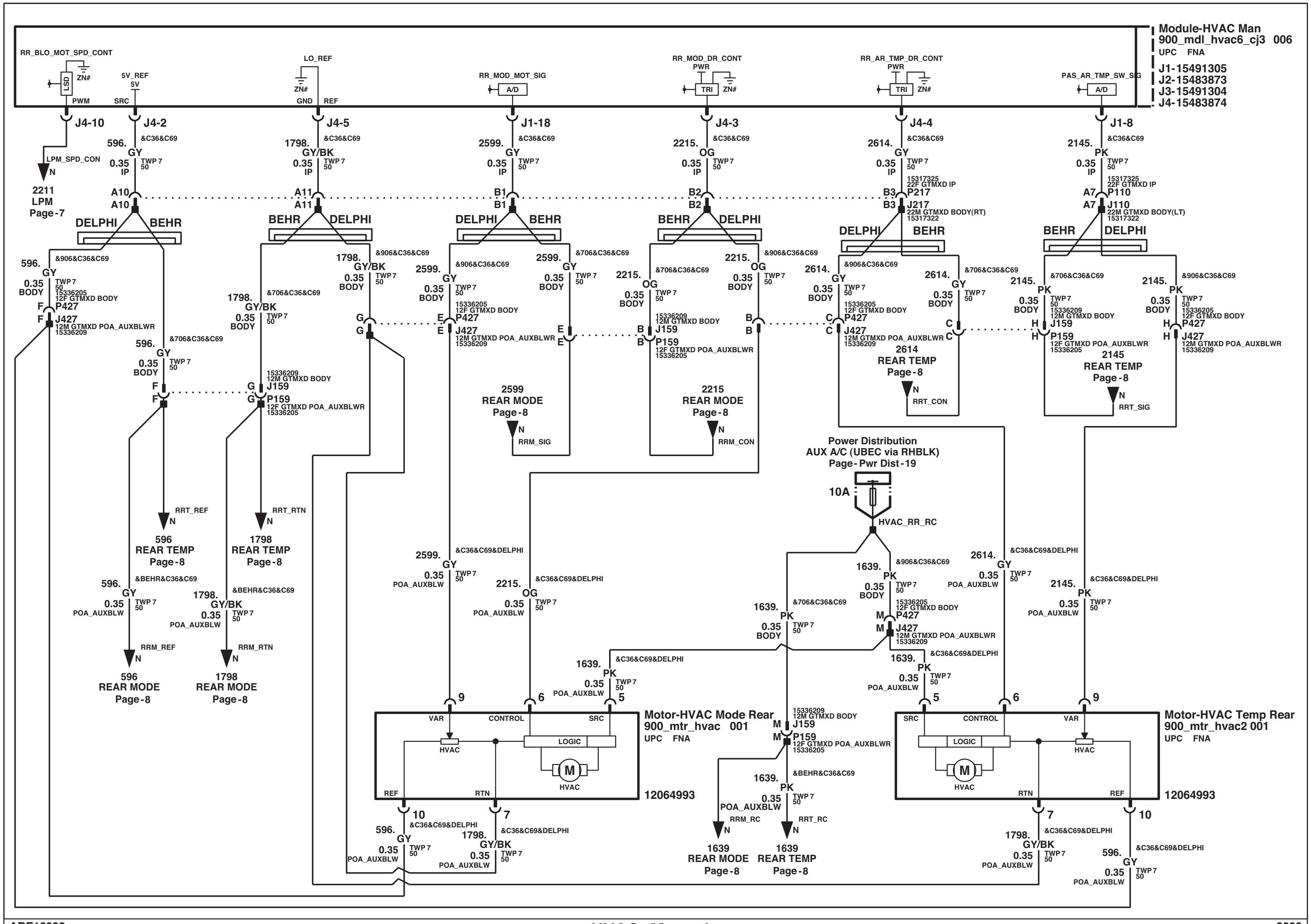
HVAC: Manual

HVAC: MANUAL Panel 5 of 7

&C42/C67/CJ3

2008
GMT900
MVBS
System Status: Object Status:

HVAC: Manual


Module-HVAC Man
900_mdl_hvac6_cj3 006
UPC FNA
J1-15491305
J2-15483873
J3-15491304
J4-15483874
RR_BLO_MOT_SPD_CONT
LSD
ZN#
PWM
5V_REF
5V
SRC
LO_REF
GND
REF
RR_MOD_MOT_SIG
A/D
RR_MOD_DR_CONT
PWR
TRI
RR_AR_TMP_DR_CONT
PAS_AR_TMP_SW_SIG
J4-10
J4-2
J4-5
J1-18
J4-3
J4-4
J1-8
LPM_SPD_CON
2211
LPM
Page-7
596. GY 0.35 IP TWP 7 50 &C36&C69
1798. GY/BK 0.35 IP
2599. GY 0.35 IP
2215. OG 0.35 IP
2614. GY 0.35 IP
2145. PK 0.35 IP
A10
A11
B1
B2
B3 P217 15317325 22F GTMXD IP
B3 J217 22M GTMXD BODY(RT) 15317322
A7 P110 15317325 22F GTMXD IP
A7 J110 22M GTMXD BODY(LT) 15317322
DELPHI
BEHR
&906&C36&C69
&706&C36&C69
F P427 15336205 12F GTMXD BODY
F J427 12M GTMXD POA_AUXBLWR 15336209
E P427
E J427
C P427
C J427
H P427
H J427
G J159 15336209 12M GTMXD BODY
G P159 12F GTMXD POA_AUXBLWR 15336205
E
B J159
B P159
C
H J159
H P159
F
G
2599 REAR MODE Page-8 RRM_SIG
2215 REAR MODE Page-8 RRM_CON
2614 REAR TEMP Page-8 RRT_CON
2145 REAR TEMP Page-8 RRT_SIG
RRT_REF
596 REAR TEMP Page-8
RRT_RTN
1798 REAR TEMP Page-8
Power Distribution
AUX A/C (UBEC via RHBLK)
Page-Pwr Dist-19
10A
HVAC_RR_RC
&C36&C69&DELPHI
&BEHR&C36&C69
POA_AUXBLW
RRM_REF
596 REAR MODE Page-8
RRM_RTN
1798 REAR MODE Page-8
1639. PK 0.35 BODY
M P427
M J427 12M GTMXD POA_AUXBLWR 15336209
M J159 15336209 12M GTMXD BODY
M P159 12F GTMXD POA_AUXBLWR 15336205
1639 REAR MODE Page-8 RRM_RC
1639 REAR TEMP Page-8 RRT_RC
Motor-HVAC Mode Rear
900_mtr_hvac 001
UPC FNA
12064993
VAR
CONTROL
SRC
HVAC
LOGIC
M
REF
RTN
9
6
5
10
7
Motor-HVAC Temp Rear
900_mtr_hvac2 001
UPC FNA
12064993

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GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

HVAC: Manual

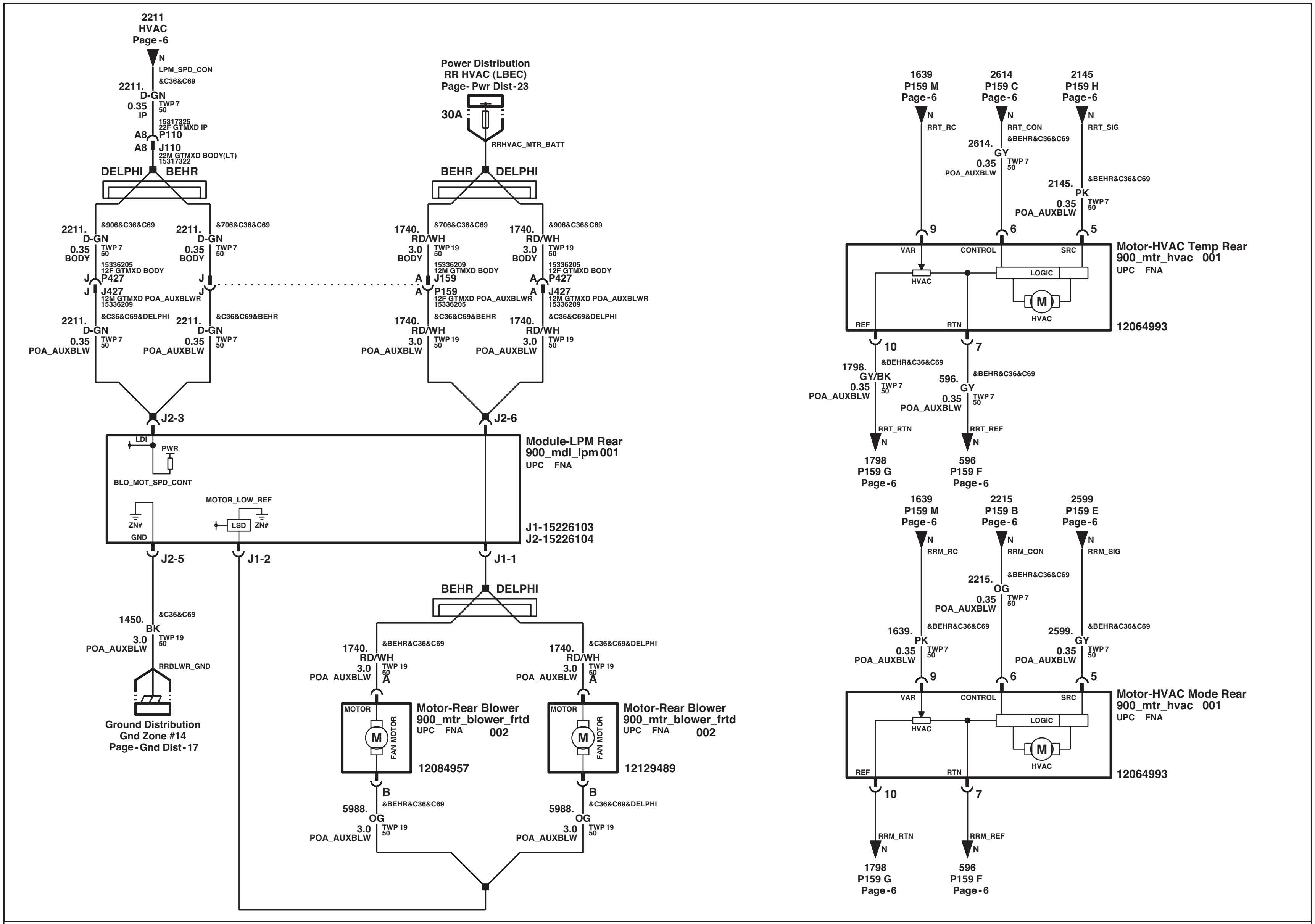
HVAC: MANUAL Panel 6 of 7

&C42/C67/CJ3

2008
GMT900
MVBS

System Status: Object Status:

HVAC: Manual


2211
HVAC
Page-6
N
LPM_SPD_CON
&C36&C69
2211.
D-GN
0.35
IP
TWP 7
50
15317325
22F GTMXD IP
A8 P110
A8 J110
22M GTMXD BODY(LT)
15317322
DELPHI
BEHR
Power Distribution
RR HVAC (LBEC)
Page- Pwr Dist-23
30A
RRHVAC_MTR_BATT
&906&C36&C69
&706&C36&C69
D-GN
BODY
15336205
12F GTMXD BODY
J P427
J J427
12M GTMXD POA_AUXBLWR
15336209
&C36&C69&DELPHI
&C36&C69&BEHR
POA_AUXBLW
1740.
RD/WH
3.0
TWP 19
15336209
12M GTMXD BODY
A J159
A P159
12F GTMXD POA_AUXBLWR
15336205
A P427
A J427
J2-3
J2-6
Module-LPM Rear
900_mdl_lpm 001
UPC FNA
LDI
PWR
BLO_MOT_SPD_CONT
MOTOR_LOW_REF
ZN#
GND
LSD
J1-15226103
J2-15226104
J2-5
J1-2
J1-1
1450.
BK
RRBLWR_GND
Ground Distribution
Gnd Zone #14
Page-Gnd Dist-17
&BEHR&C36&C69
&C36&C69&DELPHI
MOTOR
M
FAN MOTOR
Motor-Rear Blower
900_mtr_blower_frtd
UPC FNA
002
12084957
12129489
B
5988.
OG
1639
P159 M
Page-6
2614
P159 C
2145
P159 H
RRT_RC
RRT_CON
RRT_SIG
&BEHR&C36&C69
2614.
GY
2145.
PK
9
6
5
VAR
CONTROL
SRC
HVAC
LOGIC
REF
RTN
Motor-HVAC Temp Rear
900_mtr_hvac 001
UPC FNA
12064993
10
7
1798.
GY/BK
596.
GY
RRT_RTN
RRT_REF
1798
P159 G
596
P159 F
2215
P159 B
2599
P159 E
RRM_RC
RRM_CON
RRM_SIG
2215.
OG
1639.
PK
2599.
GY
Motor-HVAC Mode Rear
900_mtr_hvac 001
RRM_RTN
RRM_REF

ARE16388
003
GMT900
GM Proprietary

Friday, September 29, 2006
7:27:30 am 10
IEC/ESI

HVAC: Manual

HVAC: MANUAL Panel 7 of 7

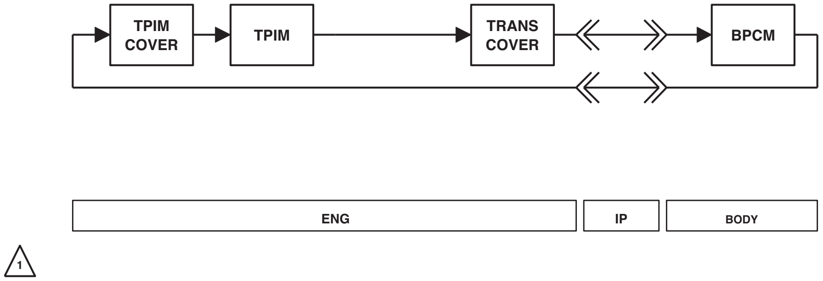
Panel Set: 7

&C42/C67/CJ3

2008
GMT900
MVBS
System Status: Object Status:

High Voltage Interlock Loop

HIGH VOLTAGE INTERLOCK LOOP



NOTES
- 1 – MODULES ARE SHOWN IN TYPICAL CONNECTIVITY ORDER. IF A GIVEN MODULE
  – IS NOT PRESENT, MODULES ON EITHER SIDE CONNECT DIRECTLY.

ARE82063
003
GMT900
GM Proprietary

Tuesday, October 3, 2006
8:50:04 am 2
IEC/ESI

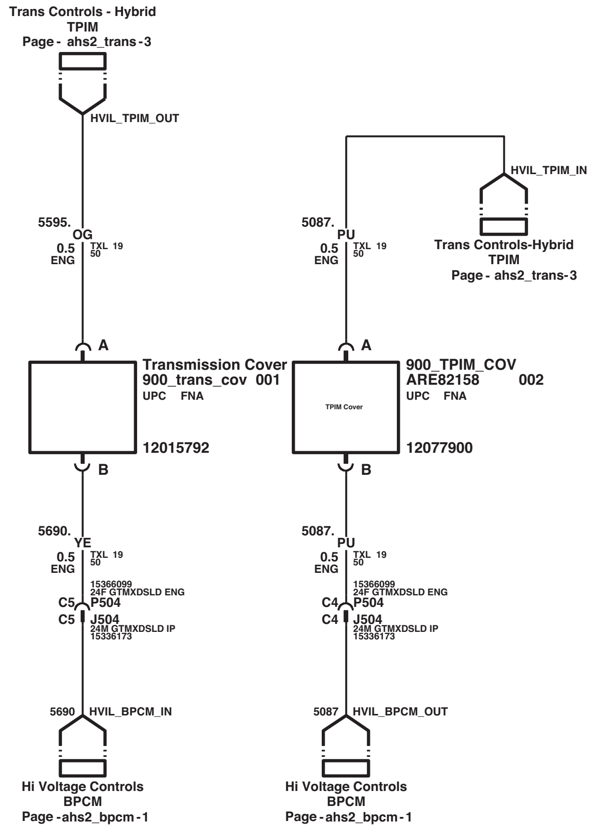
High Voltage Interlock Loop

1_08_hvil Panel 1 of 2

&HP2

0
GMT900
:::D
System Status: Object Status:

High Voltage Interlock Loop


Trans Controls - Hybrid
TPIM
Page - ahs2_trans-3
HVIL_TPIM_OUT
5595.
OG
0.5
ENG
TXL 19
50
A
Transmission Cover
900_trans_cov 001
UPC FNA
12015792
B
5690.
YE
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
C5 P504
C5 J504
24M GTMXDSLD IP
15336173
5690 HVIL_BPCM_IN
Hi Voltage Controls
BPCM
Page - ahs2_bpcm-1
HVIL_TPIM_IN
Trans Controls-Hybrid
TPIM
Page - ahs2_trans-3
5087.
PU
0.5
ENG
TXL 19
50
A
900_TPIM_COV
ARE82158 002
UPC FNA
TPIM Cover
12077900
B
5087.
PU
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
C4 P504
C4 J504
24M GTMXDSLD IP
15336173
5087 HVIL_BPCM_OUT
Hi Voltage Controls
BPCM
Page - ahs2_bpcm-1

ARE82063
003
GMT900
GM Proprietary

Tuesday, October 3, 2006
8:50:04 am 2
IEC/ESI

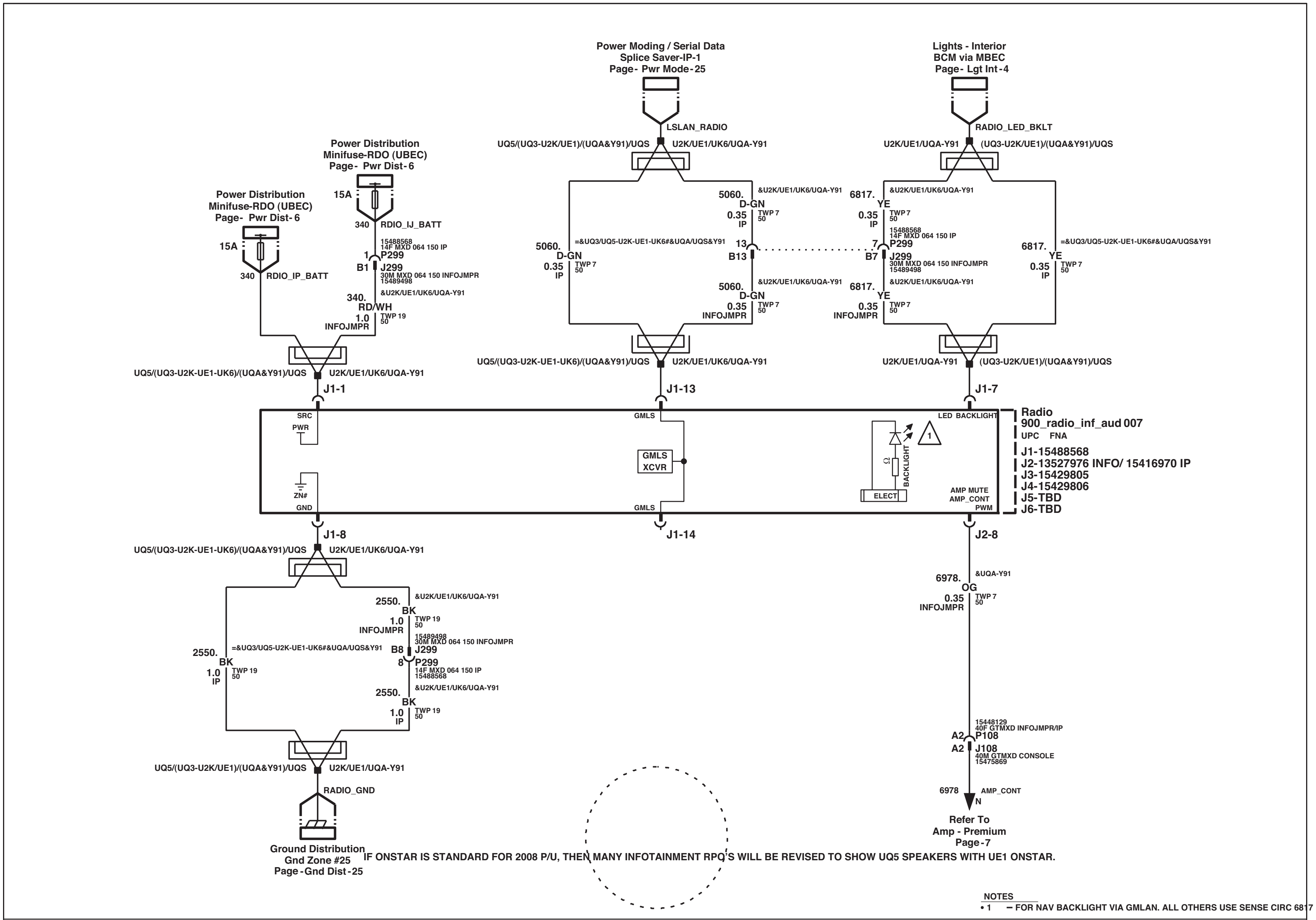
High Voltage Interlock Loop

1_08_hvil Panel 2 of 2

&HP2

0
GMT900
:::D
System Status: Object Status:

Infotainment and Telematics: Audio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Splice Saver-IP-1
Page- Pwr Mode-25
LSLAN_RADIO
UQ5/(UQ3-U2K/UE1)/(UQA&Y91)/UQS
U2K/UE1/UK6/UQA-Y91
Lights - Interior
BCM via MBEC
Page- Lgt Int-4
RADIO_LED_BKLT
U2K/UE1/UQA-Y91
(UQ3-U2K/UE1)/(UQA&Y91)/UQS
Power Distribution
Minifuse-RDO (UBEC)
Page- Pwr Dist-6
15A
340
RDIO_IJ_BATT
15488568
14F MXD 064 150 IP
1 P299
B1 J299
30M MXD 064 150 INFOJMPR
15489498
&U2K/UE1/UK6/UQA-Y91
340.
RD/WH
1.0
INFOJMPR
TWP 19
50
Power Distribution
Minifuse-RDO (UBEC)
Page- Pwr Dist-6
15A
340
RDIO_IP_BATT
5060.
D-GN
0.35
IP
TWP 7
50
=&UQ3/UQ5-U2K-UE1-UK6#&UQA/UQS&Y91
5060.
D-GN
0.35
IP
&U2K/UE1/UK6/UQA-Y91
13
B13
5060.
D-GN
0.35
INFOJMPR
6817.
YE
0.35
IP
15488568
14F MXD 064 150 IP
7 P299
B7 J299
30M MXD 064 150 INFOJMPR
15489498
6817.
YE
0.35
INFOJMPR
6817.
YE
0.35
IP
=&UQ3/UQ5-U2K-UE1-UK6#&UQA/UQS&Y91
UQ5/(UQ3-U2K-UE1-UK6)/(UQA&Y91)/UQS
U2K/UE1/UK6/UQA-Y91
U2K/UE1/UQA-Y91
(UQ3-U2K/UE1)/(UQA&Y91)/UQS
J1-1
J1-13
J1-7
SRC
PWR
GMLS
GMLS
XCVR
LED BACKLIGHT
1
BACKLIGHT
Ω
ELECT
AMP MUTE
AMP_CONT
PWM
ZN#
GND
GMLS
Radio
900_radio_inf_aud 007
UPC FNA
J1-15488568
J2-13527976 INFO/ 15416970 IP
J3-15429805
J4-15429806
J5-TBD
J6-TBD
J1-8
J1-14
J2-8
UQ5/(UQ3-U2K-UE1-UK6)/(UQA&Y91)/UQS
U2K/UE1/UK6/UQA-Y91
2550.
BK
1.0
INFOJMPR
TWP 19
50
&U2K/UE1/UK6/UQA-Y91
15489498
30M MXD 064 150 INFOJMPR
B8 J299
8 P299
14F MXD 064 150 IP
15488568
2550.
BK
1.0
IP
2550.
BK
1.0
IP
=&UQ3/UQ5-U2K-UE1-UK6#&UQA/UQS&Y91
UQ5/(UQ3-U2K/UE1)/(UQA&Y91)/UQS
U2K/UE1/UQA-Y91
RADIO_GND
Ground Distribution
Gnd Zone #25
Page-Gnd Dist-25
6978.
OG
0.35
INFOJMPR
&UQA-Y91
TWP 7
50
15448129
40F GTMXD INFOJMPR/IP
A2 P108
A2 J108
40M GTMXD CONSOLE
15475869
6978
AMP_CONT
N
Refer To
Amp - Premium
Page-7
IF ONSTAR IS STANDARD FOR 2008 P/U, THEN MANY INFOTAINMENT RPO'S WILL BE REVISED TO SHOW UQ5 SPEAKERS WITH UE1 ONSTAR.

NOTES
- 1 – FOR NAV BACKLIGHT VIA GMLAN. ALL OTHERS USE SENSE CIRC 6817

ARE16396
003
GMT900
GM Proprietary

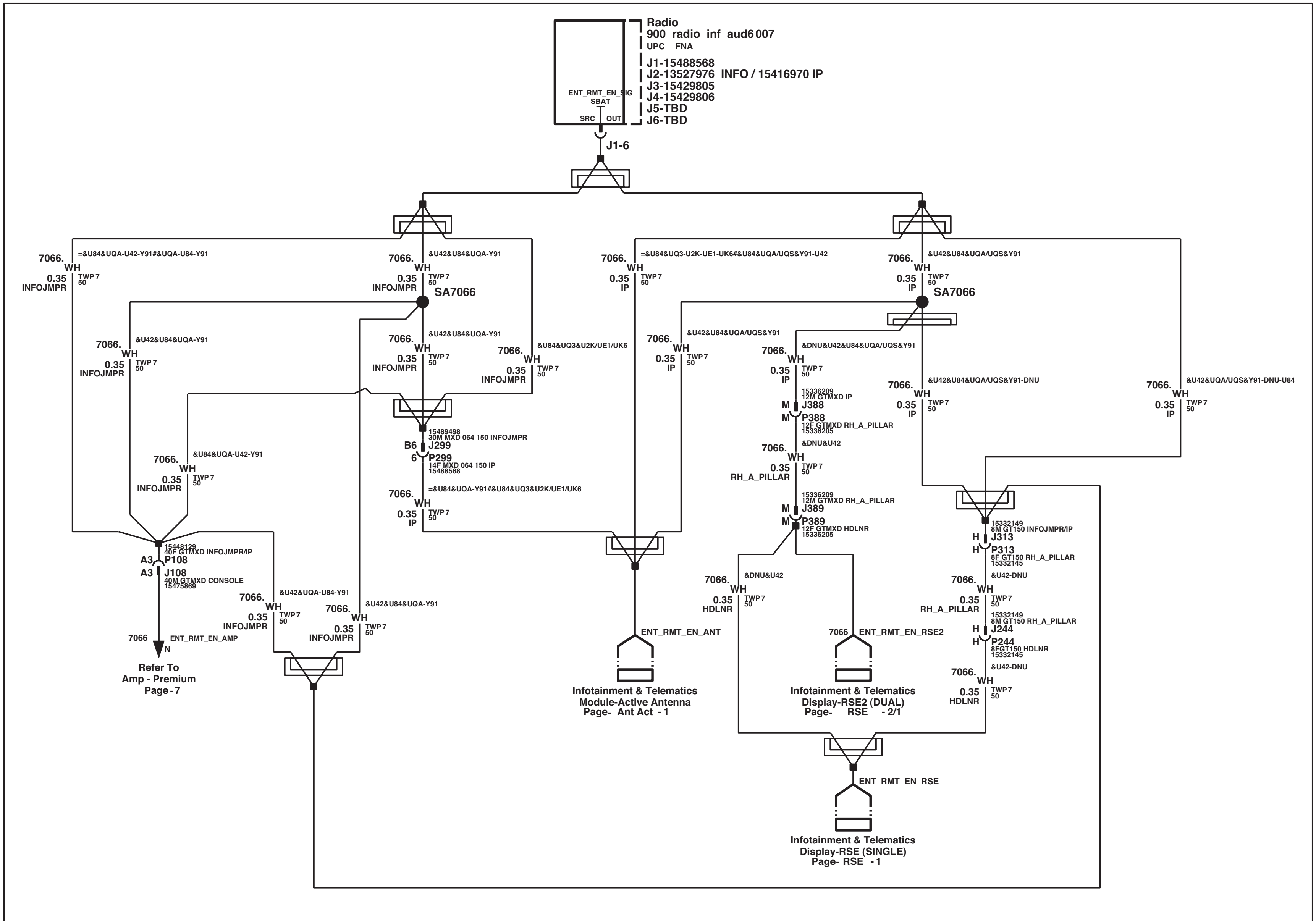
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 1 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Radio
900_radio_inf_aud6 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4-15429806
J5-TBD
J6-TBD
ENT_RMT_EN_SIG
SBAT
SRC
OUT
J1-6
7066.
WH
0.35
INFOJMPR
TWP 7
50
=&U84&UQA-U42-Y91#&UQA-U84-Y91
&U42&U84&UQA-Y91
SA7066
&U84&UQ3&U2K/UE1/UK6
&U84&UQA-U42-Y91
15489498
30M MXD 064 150 INFOJMPR
B6
J299
6
P299
14F MXD 064 150 IP
15488568
=&U84&UQA-Y91#&U84&UQ3&U2K/UE1/UK6
IP
15448129
40F GTMXD INFOJMPR/IP
A3
P108
A3
J108
40M GTMXD CONSOLE
15475869
&U42&UQA-U84-Y91
7066
ENT_RMT_EN_AMP
N
Refer To
Amp - Premium
Page - 7
=&U84&UQ3-U2K-UE1-UK6#&U84&UQA/UQS&Y91-U42
&U42&U84&UQA/UQS&Y91
&DNU&U42&U84&UQA/UQS&Y91
15336209
12M GTMXD IP
M
J388
M
P388
12F GTMXD RH_A_PILLAR
15336205
&DNU&U42
RH_A_PILLAR
15336209
12M GTMXD RH_A_PILLAR
J389
P389
12F GTMXD HDLNR
15336205
HDLNR
&U42&U84&UQA/UQS&Y91-DNU
&U42&UQA/UQS&Y91-DNU-U84
15332149
8M GT150 INFOJMPR/IP
H
J313
H
P313
8F GT150 RH_A_PILLAR
15332145
&U42-DNU
15332149
8M GT150 RH_A_PILLAR
J244
P244
8FGT150 HDLNR
15332145
ENT_RMT_EN_ANT
Infotainment & Telematics
Module-Active Antenna
Page- Ant Act - 1
7066
ENT_RMT_EN_RSE2
Infotainment & Telematics
Display-RSE2 (DUAL)
Page- RSE - 2/1
ENT_RMT_EN_RSE
Infotainment & Telematics
Display-RSE (SINGLE)
Page- RSE - 1

ARE16396
003
GMT900
GM Proprietary

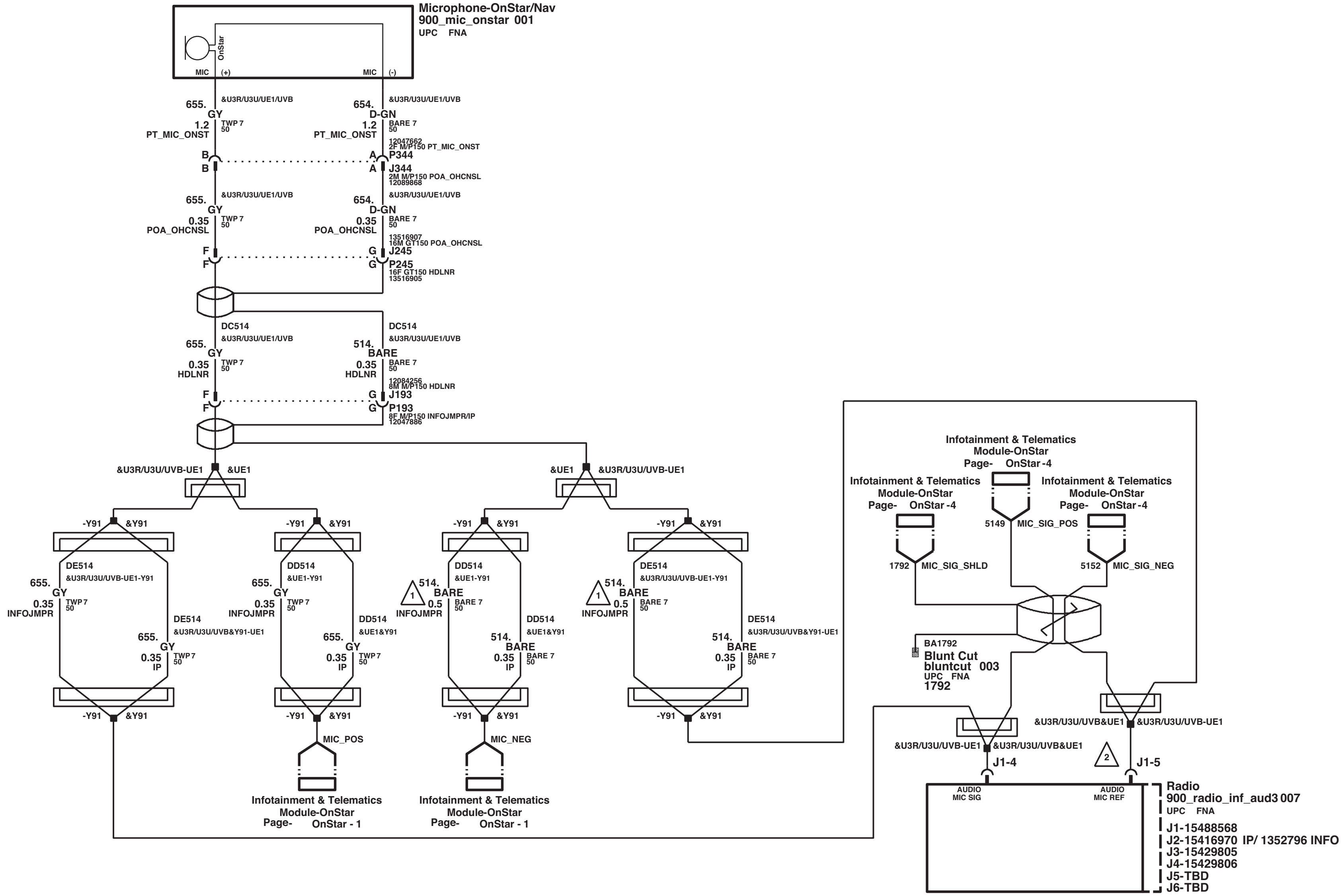
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 2 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Microphone-OnStar/Nav
900_mic_onstar 001
UPC FNA
OnStar
MIC (+)
MIC (-)
655. GY 1.2 PT_MIC_ONST &U3R/U3U/UE1/UVB TWP 7 50
654. D-GN 1.2 PT_MIC_ONST &U3R/U3U/UE1/UVB BARE 7 50
12047662
2F M/P150 PT_MIC_ONST
B A P344
B A J344
2M M/P150 POA_OHCNSL
12089868
655. GY 0.35 POA_OHCNSL &U3R/U3U/UE1/UVB TWP 7 50
654. D-GN 0.35 POA_OHCNSL &U3R/U3U/UE1/UVB BARE 7 50
13516907
16M GT150 POA_OHCNSL
F G J245
F G P245
16F GT150 HDLNR
13516905
DC514
DC514
655. GY 0.35 HDLNR &U3R/U3U/UE1/UVB TWP 7 50
514. BARE 0.35 HDLNR &U3R/U3U/UE1/UVB BARE 7 50
12084256
8M M/P150 HDLNR
F G J193
F G P193
8F M/P150 INFOJMPR/IP
12047886
&U3R/U3U/UVB-UE1 &UE1
&UE1 &U3R/U3U/UVB-UE1
-Y91 &Y91
DE514 &U3R/U3U/UVB-UE1-Y91 655. GY 0.35 INFOJMPR TWP 7 50
DE514 &U3R/U3U/UVB&Y91-UE1 655. GY 0.35 IP TWP 7 50
DD514 &UE1-Y91 655. GY 0.35 INFOJMPR TWP 7 50
DD514 &UE1&Y91 655. GY 0.35 IP TWP 7 50
1
DD514 &UE1-Y91 514. BARE 0.5 INFOJMPR BARE 7 50
DD514 &UE1&Y91 514. BARE 0.35 IP BARE 7 50
1
DE514 &U3R/U3U/UVB-UE1-Y91 514. BARE 0.5 INFOJMPR BARE 7 50
DE514 &U3R/U3U/UVB&Y91-UE1 514. BARE 0.35 IP BARE 7 50
MIC_POS
Infotainment & Telematics Module-OnStar Page- OnStar - 1
MIC_NEG
Infotainment & Telematics Module-OnStar Page- OnStar - 1
Infotainment & Telematics Module-OnStar Page- OnStar -4
5149 MIC_SIG_POS
Infotainment & Telematics Module-OnStar Page- OnStar -4
1792 MIC_SIG_SHLD
Infotainment & Telematics Module-OnStar Page- OnStar -4
5152 MIC_SIG_NEG
BA1792
Blunt Cut
bluntcut 003
UPC FNA
1792
&U3R/U3U/UVB&UE1 &U3R/U3U/UVB-UE1
&U3R/U3U/UVB-UE1 &U3R/U3U/UVB&UE1
J1-4
2
J1-5
AUDIO MIC SIG
AUDIO MIC REF
Radio
900_radio_inf_aud3 007
UPC FNA
J1-15488568
J2-15416970 IP/ 1352796 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD

NOTES
- 1 – GAGE SIZE LARGER FOR DURABILITY.
- 2 – CIRCUIT 5152 TAPED BACK FOR WHINE SUPPRESION UNTIL CORRECTED WITH RADIO HARDWARE CHANGE

ARE16396
003
GMT900
GM Proprietary

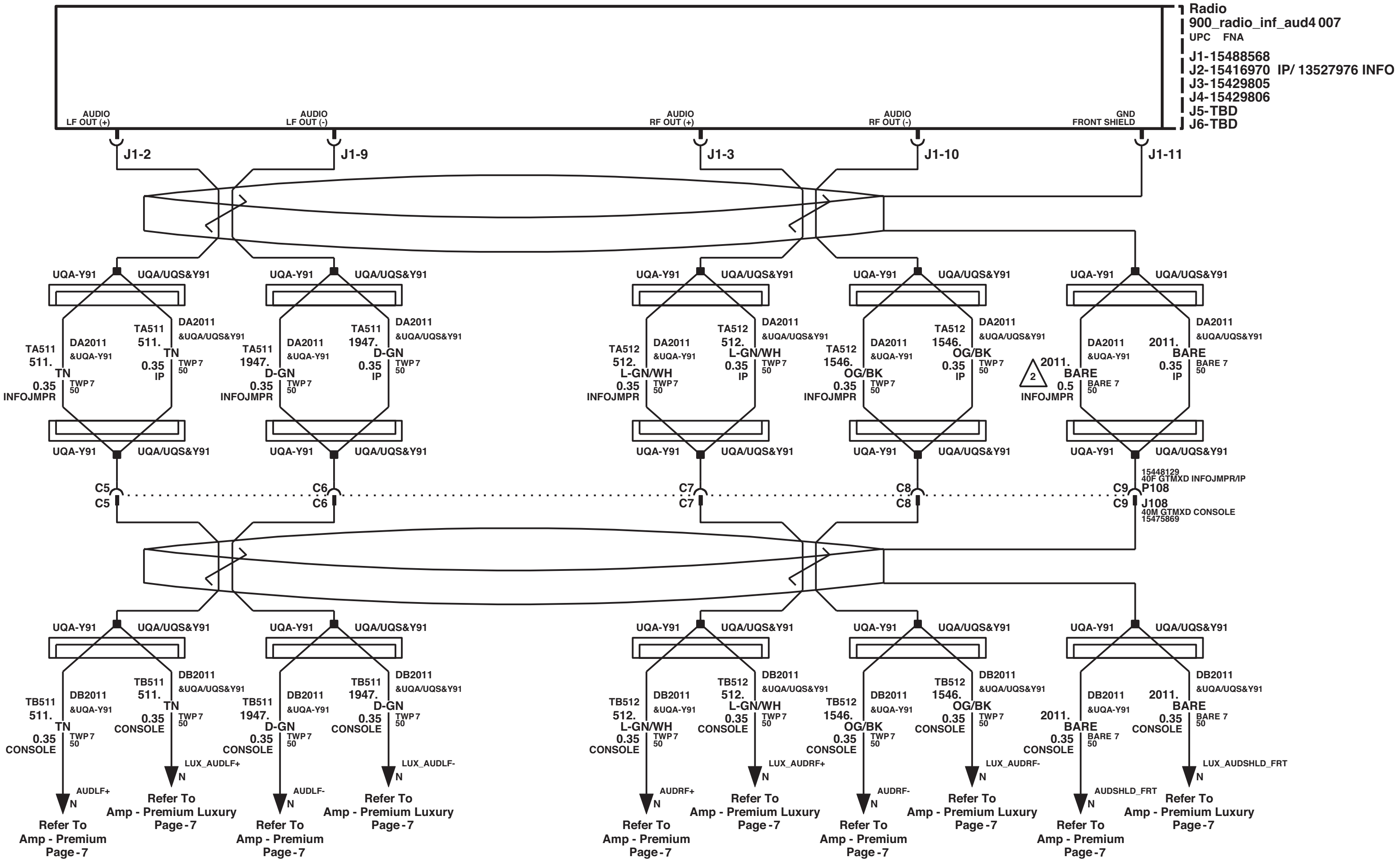
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 3 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio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UPC FNA
J1-15488568
J2-15416970 IP/ 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO LF OUT (+)
AUDIO LF OUT (-)
AUDIO RF OUT (+)
AUDIO RF OUT (-)
GND FRONT SHIELD
J1-2
J1-9
J1-3
J1-10
J1-11
UQA-Y91
UQA/UQS&Y91
DA2011 &UQA/UQS&Y91
DA2011 &UQA-Y91
TA511 511. TN 0.35 INFOJMPR TWP 7 50
TA511 511. TN 0.35 IP TWP 7 50
TA511 1947. D-GN 0.35 INFOJMPR TWP 7 50
TA511 1947. D-GN 0.35 IP TWP 7 50
TA512 512. L-GN/WH 0.35 INFOJMPR TWP 7 50
TA512 512. L-GN/WH 0.35 IP TWP 7 50
TA512 1546. OG/BK 0.35 INFOJMPR TWP 7 50
TA512 1546. OG/BK 0.35 IP TWP 7 50
2
2011. BARE 0.5 INFOJMPR BARE 7 50
2011. BARE 0.35 IP BARE 7 50
C5
C6
C7
C8
C9
15448129 40F GTMXD INFOJMPR/IP
P108
J108
40M GTMXD CONSOLE 15475869
DB2011 &UQA/UQS&Y91
DB2011 &UQA-Y91
TB511 511. TN 0.35 CONSOLE TWP 7 50
TB511 1947. D-GN 0.35 CONSOLE TWP 7 50
TB512 512. L-GN/WH 0.35 CONSOLE TWP 7 50
TB512 1546. OG/BK 0.35 CONSOLE TWP 7 50
2011. BARE 0.35 CONSOLE BARE 7 50
AUDLF+ N
LUX_AUDLF+ N
AUDLF- N
LUX_AUDLF- N
AUDRF+ N
LUX_AUDRF+ N
AUDRF- N
LUX_AUDRF- N
AUDSHLD_FRT N
LUX_AUDSHLD_FRT N
Refer To Amp - Premium Page - 7
Refer To Amp - Premium Luxury Page - 7

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.
- 2 – GAGE SIZE LARGER FOR DURABILITY.

ARE16396
003
GMT900
GM Proprietary

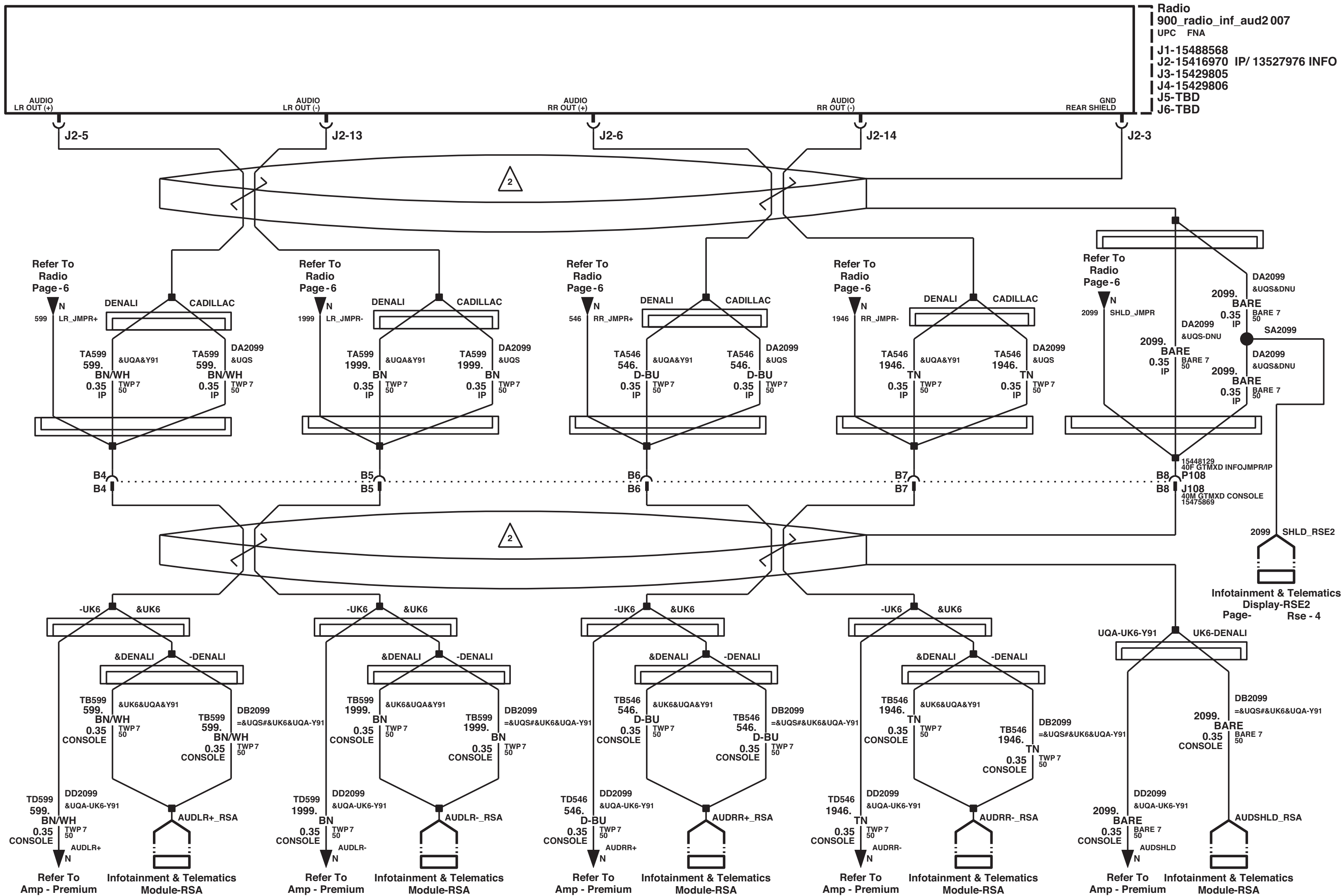
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 4 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Radio
900_radio_inf_aud2 007
UPC FNA
J1-15488568
J2-15416970 IP/ 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO LR OUT (+)
AUDIO LR OUT (-)
AUDIO RR OUT (+)
AUDIO RR OUT (-)
GND REAR SHIELD
J2-5
J2-13
J2-6
J2-14
J2-3
2
Refer To Radio Page - 6
599 LR_JMPR+
1999 LR_JMPR-
546 RR_JMPR+
1946 RR_JMPR-
2099 SHLD_JMPR
DENALI
CADILLAC
TA599 599. BN/WH 0.35 IP
&UQA&Y91
TWP 7 50
DA2099 &UQS
TA599 1999. BN 0.35 IP
TA546 546. D-BU 0.35 IP
TA546 1946. TN 0.35 IP
DA2099 &UQS&DNU
2099. BARE 0.35 IP
BARE 7 50
DA2099 &UQS-DNU
SA2099
B4 B5 B6 B7 B8
15448129 40F GTMXD INFOJMPR/IP
P108
J108
40M GTMXD CONSOLE 15475869
2099 SHLD_RSE2
Infotainment & Telematics Display-RSE2
Page- Rse - 4
-UK6
&UK6
&DENALI
-DENALI
UQA-UK6-Y91
UK6-DENALI
TB599 599. BN/WH 0.35 CONSOLE
&UK6&UQA&Y91
DB2099 =&UQS#&UK6&UQA-Y91
TB599 1999. BN 0.35 CONSOLE
TB546 546. D-BU 0.35 CONSOLE
TB546 1946. TN 0.35 CONSOLE
DB2099 =&UQS#&UK6&UQA-Y91
2099. BARE 0.35 CONSOLE
TD599 599. BN/WH 0.35 CONSOLE
TD599 1999. BN 0.35 CONSOLE
TD546 546. D-BU 0.35 CONSOLE
TD546 1946. TN 0.35 CONSOLE
DD2099 &UQA-UK6-Y91
2099. BARE 0.35 CONSOLE
AUDLR+
AUDLR-
AUDRR+
AUDRR-
AUDSHLD
AUDLR+_RSA
AUDLR-_RSA
AUDRR+_RSA
AUDRR-_RSA
AUDSHLD_RSA
N
Refer To Amp - Premium Page - 7
Infotainment & Telematics Module-RSA
Page- Rsa - 2

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.
- 2 – WHEN LOW LEVEL AUDIO PRESENT, SHIELD FOR EVERY CONFIGURATION BUT DENALI.

ARE16396
003
GMT900
GM Proprietary

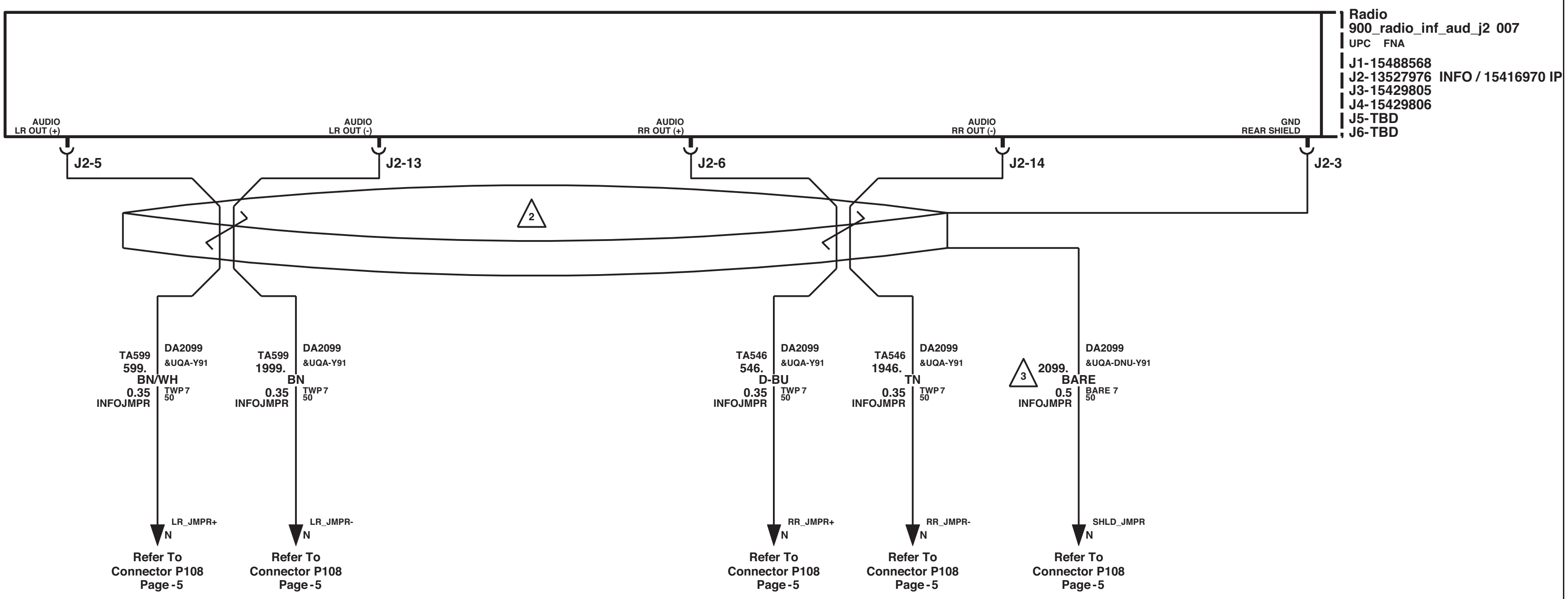
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 5 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Radio
900_radio_inf_aud_j2 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO LR OUT (+)
AUDIO LR OUT (-)
AUDIO RR OUT (+)
AUDIO RR OUT (-)
GND REAR SHIELD
J2-5
J2-13
J2-6
J2-14
J2-3
2
TA599 599. BN/WH 0.35 INFOJMPR
DA2099 &UQA-Y91 TWP 7 50
TA599 1999. BN 0.35 INFOJMPR
DA2099 &UQA-Y91 TWP 7 50
TA546 546. D-BU 0.35 INFOJMPR
DA2099 &UQA-Y91 TWP 7 50
TA546 1946. TN 0.35 INFOJMPR
DA2099 &UQA-Y91 TWP 7 50
3 2099. BARE 0.5 INFOJMPR
DA2099 &UQA-DNU-Y91 BARE 7 50
LR_JMPR+ N
LR_JMPR- N
RR_JMPR+ N
RR_JMPR- N
SHLD_JMPR N
Refer To Connector P108 Page-5
Refer To Connector P108 Page-5
Refer To Connector P108 Page-5
Refer To Connector P108 Page-5
Refer To Connector P108 Page-5

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.
- 2 – WHEN LOW LEVEL AUDIO PRESENT, SHIELD FOR EVERY CONFIGURATION BUT DENALI.
- 3 – GAGE SIZE LARGER FOR DURABILITY.

ARE16396
003
GMT900
GM Proprietary

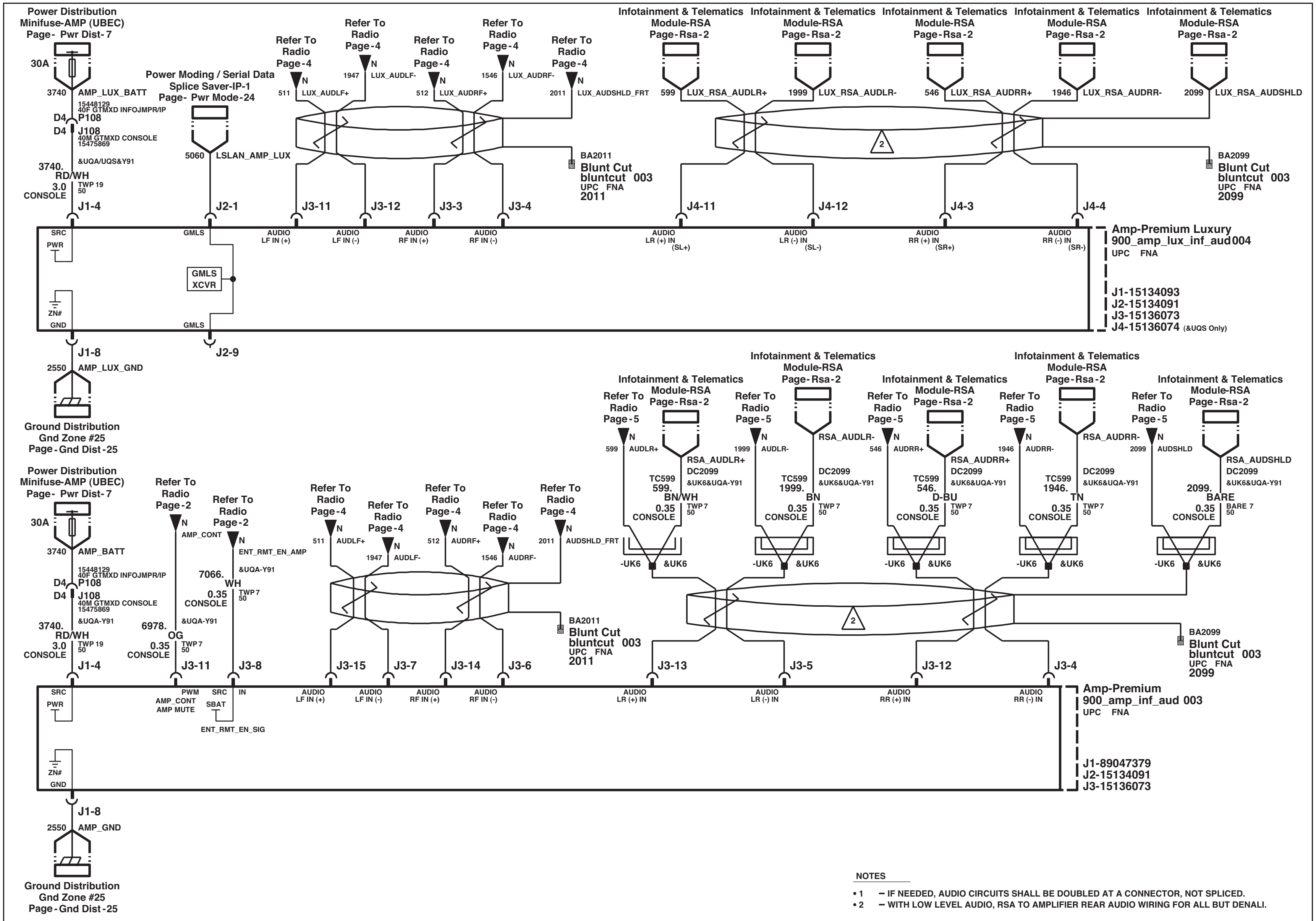
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 6 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Power Distribution Minifuse-AMP (UBEC) Page- Pwr Dist-7
30A
3740 AMP_LUX_BATT
15448129 40F GTMXD INFOJMPR/IP
D4 P108
D4 J108 40M GTMXD CONSOLE 15475869
&UQA/UQS&Y91
3740. RD/WH 3.0 CONSOLE TWP 19 50
J1-4
Power Moding / Serial Data Splice Saver-IP-1 Page- Pwr Mode-24
5060 LSLAN_AMP_LUX
J2-1
Refer To Radio Page-4
511 LUX_AUDLF+
1947 LUX_AUDLF-
512 LUX_AUDRF+
1546 LUX_AUDRF-
2011 LUX_AUDSHLD_FRT
N
J3-11
J3-12
J3-3
J3-4
BA2011 Blunt Cut bluntcut 003 UPC FNA 2011
Infotainment & Telematics Module-RSA Page-Rsa-2
599 LUX_RSA_AUDLR+
1999 LUX_RSA_AUDLR-
546 LUX_RSA_AUDRR+
1946 LUX_RSA_AUDRR-
2099 LUX_RSA_AUDSHLD
2
BA2099 Blunt Cut bluntcut 003 UPC FNA 2099
J4-11
J4-12
J4-3
J4-4
SRC PWR
GMLS
GMLS XCVR
AUDIO LF IN (+)
AUDIO LF IN (-)
AUDIO RF IN (+)
AUDIO RF IN (-)
AUDIO LR (+) IN (SL+)
AUDIO LR (-) IN (SL-)
AUDIO RR (+) IN (SR+)
AUDIO RR (-) IN (SR-)
ZN# GND
GMLS
Amp-Premium Luxury 900_amp_lux_inf_aud 004 UPC FNA
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)
J1-8
J2-9
2550 AMP_LUX_GND
Ground Distribution Gnd Zone #25 Page-Gnd Dist-25
Power Distribution Minifuse-AMP (UBEC) Page- Pwr Dist-7
30A
3740 AMP_BATT
15448129 40F GTMXD INFOJMPR/IP
D4 P108
D4 J108 40M GTMXD CONSOLE 15475869
&UQA-Y91
3740. RD/WH 3.0 CONSOLE TWP 19 50
J1-4
Refer To Radio Page-2
AMP_CONT
6978. OG 0.35 CONSOLE TWP 7 50
&UQA-Y91
J3-11
ENT_RMT_EN_AMP
&UQA-Y91
7066. WH 0.35 CONSOLE TWP 7 50
J3-8
Refer To Radio Page-4
511 AUDLF+
1947 AUDLF-
512 AUDRF+
1546 AUDRF-
2011 AUDSHLD_FRT
J3-15
J3-7
J3-14
J3-6
BA2011 Blunt Cut bluntcut 003 UPC FNA 2011
Refer To Radio Page-5
Infotainment & Telematics Module-RSA Page-Rsa-2
599 AUDLR+
RSA_AUDLR+
TC599 599. BN/WH 0.35 CONSOLE
DC2099 &UK6&UQA-Y91
1999 AUDLR-
RSA_AUDLR-
TC599 1999. BN 0.35 CONSOLE
546 AUDRR+
RSA_AUDRR+
TC599 546. D-BU 0.35 CONSOLE
1946 AUDRR-
RSA_AUDRR-
TC599 1946. TN 0.35 CONSOLE
2099 AUDSHLD
RSA_AUDSHLD
2099. BARE 0.35 CONSOLE BARE 7 50
TWP 7 50
-UK6 &UK6
2
BA2099 Blunt Cut bluntcut 003 UPC FNA 2099
J3-13
J3-5
J3-12
J3-4
SRC PWR
PWM AMP_CONT AMP MUTE
SRC SBAT
IN
ENT_RMT_EN_SIG
AUDIO LF IN (+)
AUDIO LF IN (-)
AUDIO RF IN (+)
AUDIO RF IN (-)
AUDIO LR (+) IN
AUDIO LR (-) IN
AUDIO RR (+) IN
AUDIO RR (-) IN
ZN# GND
Amp-Premium 900_amp_inf_aud 003 UPC FNA
J1-89047379
J2-15134091
J3-15136073
J1-8
2550 AMP_GND
Ground Distribution Gnd Zone #25 Page-Gnd Dist-25

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.
- 2 – WITH LOW LEVEL AUDIO, RSA TO AMPLIFIER REAR AUDIO WIRING FOR ALL BUT DENALI.

ARE16396
003
GMT900
GM Proprietary

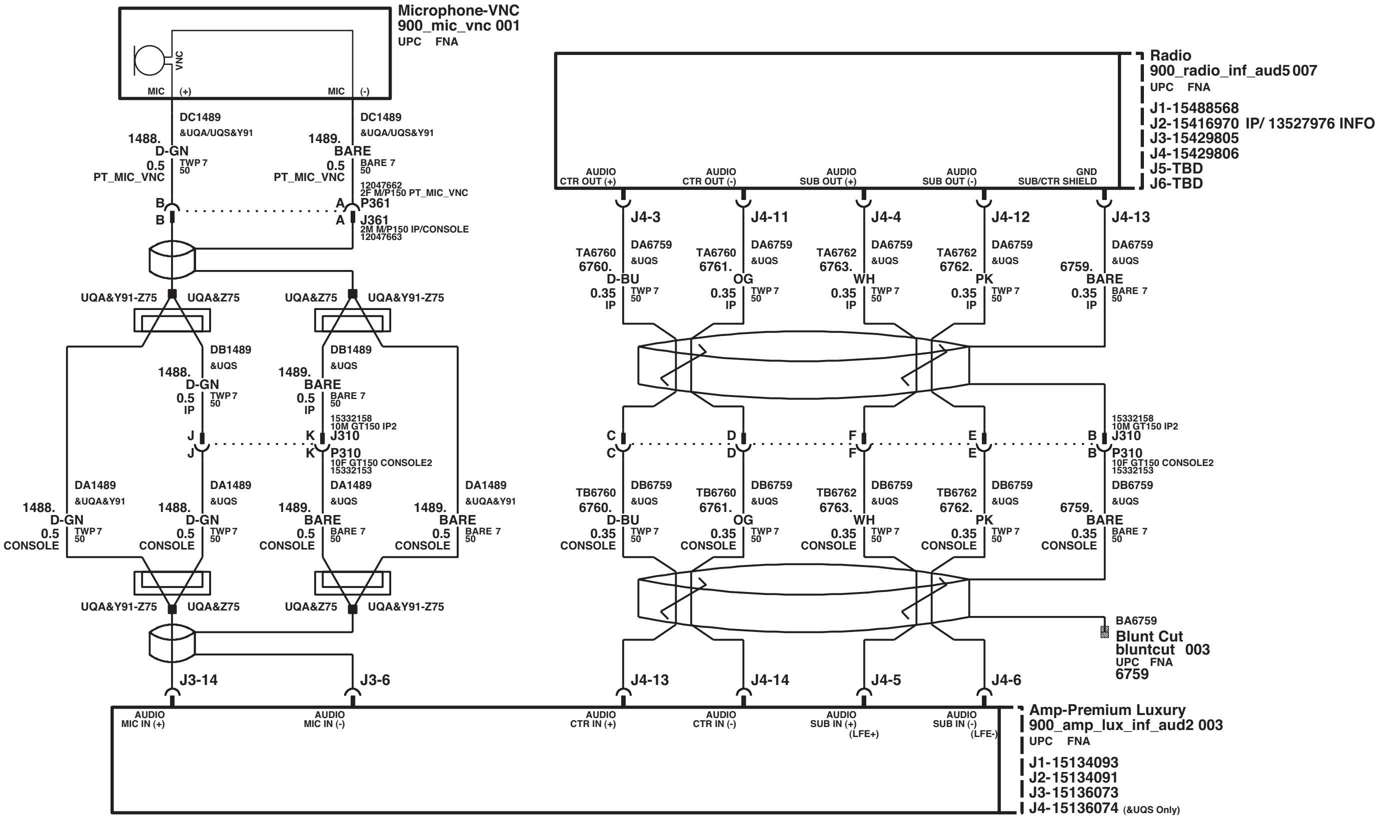
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 7 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Audio


Microphone-VNC
900_mic_vnc 001
UPC FNA
VNC
MIC (+)
MIC (-)
DC1489
&UQA/UQS&Y91
1488.
D-GN
0.5
TWP 7
50
PT_MIC_VNC
1489.
BARE
0.5
BARE 7
50
12047662
2F M/P150 PT_MIC_VNC
P361
J361
2M M/P150 IP/CONSOLE
12047663
UQA&Y91-Z75
UQA&Z75
DB1489
&UQS
IP
15332158
10M GT150 IP2
J310
P310
10F GT150 CONSOLE2
15332153
DA1489
&UQA&Y91
CONSOLE
J3-14
J3-6
Radio
900_radio_inf_aud5 007
UPC FNA
J1-15488568
J2-15416970 IP/ 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO CTR OUT (+)
AUDIO CTR OUT (-)
AUDIO SUB OUT (+)
AUDIO SUB OUT (-)
GND SUB/CTR SHIELD
J4-3
J4-11
J4-4
J4-12
J4-13
TA6760
TA6762
DA6759
&UQS
6760.
D-BU
6761.
OG
6763.
WH
6762.
PK
6759.
BARE
0.35
TWP 7
BARE 7
C
D
F
E
B
TB6760
TB6762
DB6759
BA6759
Blunt Cut
bluntcut 003
UPC FNA
6759
J4-13
J4-14
J4-5
J4-6
AUDIO MIC IN (+)
AUDIO MIC IN (-)
AUDIO CTR IN (+)
AUDIO CTR IN (-)
AUDIO SUB IN (+) (LFE+)
AUDIO SUB IN (-) (LFE-)
Amp-Premium Luxury
900_amp_lux_inf_aud2 003
UPC FNA
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)

NOTES

- • 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.
- • 2 – COMPOSITE VIDEO INPUT FROM REAR VISION CAMERA SHOWN IN OBSTACLE DETECTION.

ARE16396
003
GMT900
GM Proprietary

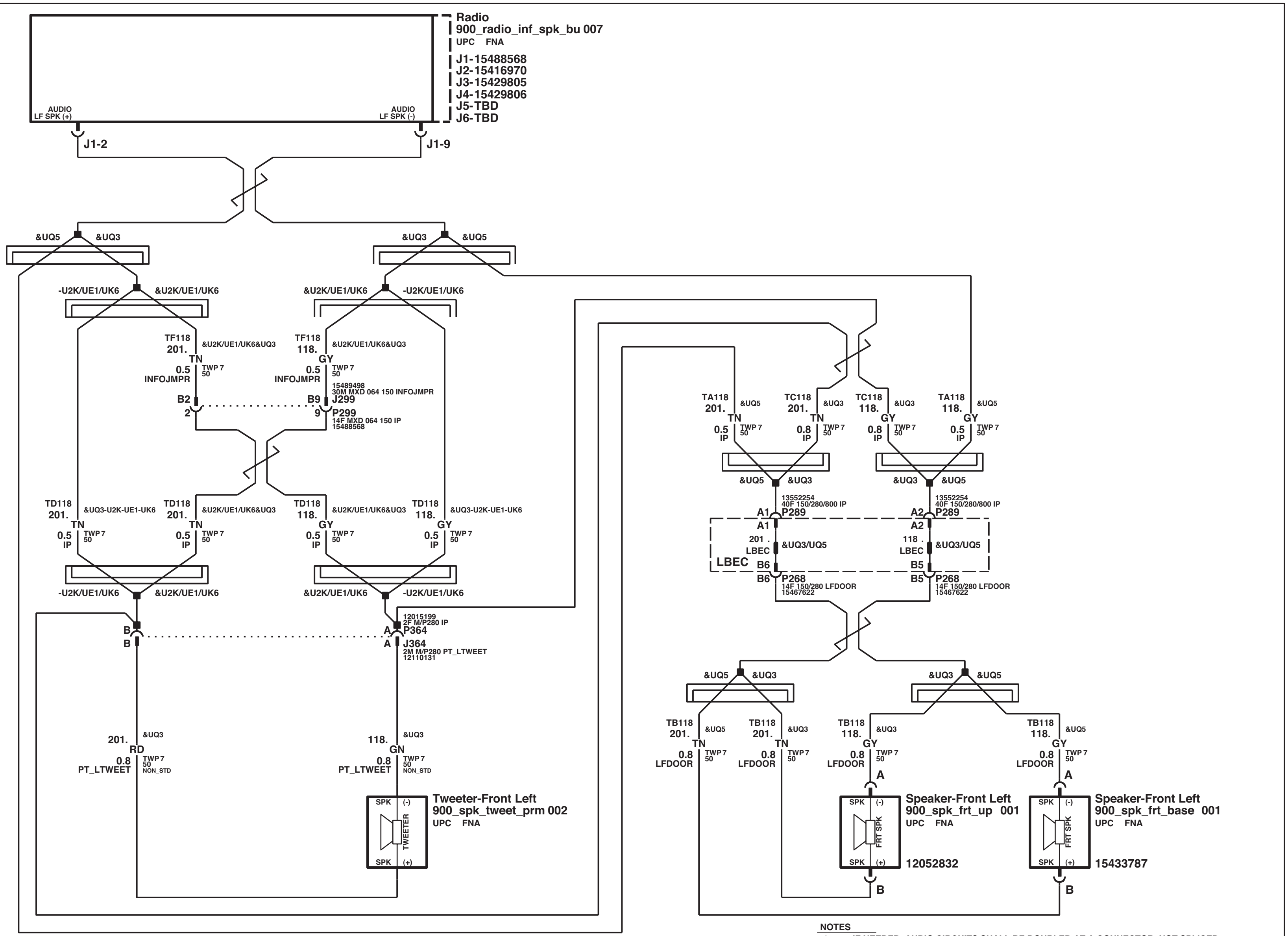
Monday, October 16, 2006
2:14:53 pm 11
IEC/ESI

Infotainment and Telematics: Audio

IT01 Panel 8 of 8

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Base


Radio
900_radio_inf_spk_bu 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO LF SPK (+)
AUDIO LF SPK (-)
J1-2
J1-9
&UQ5
&UQ3
&UQ3
&UQ5
-U2K/UE1/UK6
&U2K/UE1/UK6
&U2K/UE1/UK6
-U2K/UE1/UK6
TF118
201.
TN
&U2K/UE1/UK6&UQ3
0.5
INFOJMPR
TWP 7
50
TF118
118.
GY
&U2K/UE1/UK6&UQ3
0.5
INFOJMPR
TWP 7
50
15489498
30M MXD 064 150 INFOJMPR
B2
2
B9
J299
9
P299
14F MXD 064 150 IP
15488568
TD118
201.
TN
&UQ3-U2K-UE1-UK6
0.5
IP
TWP 7
50
TD118
201.
TN
&U2K/UE1/UK6&UQ3
0.5
IP
TWP 7
50
TD118
118.
GY
&U2K/UE1/UK6&UQ3
0.5
IP
TWP 7
50
TD118
118.
GY
&UQ3-U2K-UE1-UK6
0.5
IP
TWP 7
50
-U2K/UE1/UK6
&U2K/UE1/UK6
&U2K/UE1/UK6
-U2K/UE1/UK6
B
B
12015199
2F M/P280 IP
A
P364
A
J364
2M M/P280 PT_LTWEET
12110131
201.
RD
&UQ3
0.8
PT_LTWEET
TWP 7
50
NON_STD
118.
GN
&UQ3
0.8
PT_LTWEET
TWP 7
50
NON_STD
SPK (-)
TWEETER
SPK (+)
Tweeter-Front Left
900_spk_tweet_prm 002
UPC FNA
TA118
201.
TN
&UQ5
0.5
IP
TWP 7
50
TC118
201.
TN
&UQ3
0.8
IP
TWP 7
50
TC118
118.
GY
&UQ3
0.8
IP
TWP 7
50
TA118
118.
GY
&UQ5
0.5
IP
TWP 7
50
&UQ5
&UQ3
&UQ3
&UQ5
13552254
40F 150/280/800 IP
A1
P289
A1
201 .
LBEC
&UQ3/UQ5
LBEC
B6
B6
P268
14F 150/280 LFDOOR
15467622
13552254
40F 150/280/800 IP
A2
P289
A2
118 .
LBEC
&UQ3/UQ5
B5
B5
P268
14F 150/280 LFDOOR
15467622
&UQ5
&UQ3
&UQ3
&UQ5
TB118
201.
TN
&UQ5
0.8
LFDOOR
TWP 7
50
TB118
201.
TN
&UQ3
0.8
LFDOOR
TWP 7
50
TB118
118.
GY
&UQ3
0.8
LFDOOR
TWP 7
50
TB118
118.
GY
&UQ5
0.8
LFDOOR
TWP 7
50
A
SPK (-)
FRT SPK
SPK (+)
B
Speaker-Front Left
900_spk_frt_up 001
UPC FNA
12052832
A
SPK (-)
FRT SPK
SPK (+)
B
Speaker-Front Left
900_spk_frt_base 001
UPC FNA
15433787

NOTES

• 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16402
003
GMT900
GM Proprietary

Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

Infotainment and Telematics: Speakers Base

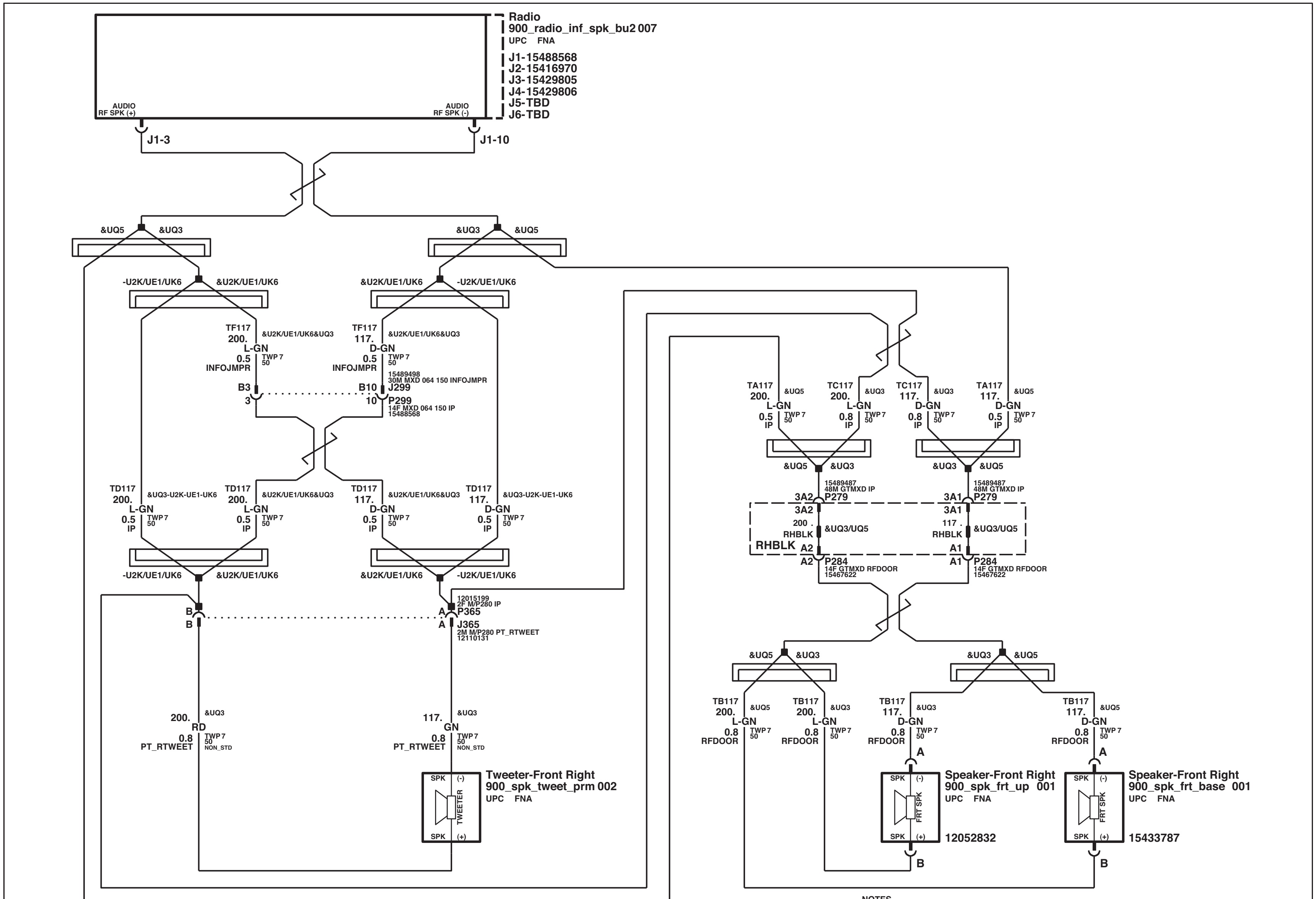
IT02 Panel 1 of 6

-WX7

2008
GMT900
MVBS

System Status: Object Status:

Infotainment and Telematics: Speakers – Base


Radio
900_radio_inf_spk_bu2 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO RF SPK (+)
AUDIO RF SPK (-)
J1-3
J1-10
&UQ5
&UQ3
-U2K/UE1/UK6
&U2K/UE1/UK6
TF117
200.
L-GN
0.5
TWP 7 50
INFOJMPR
&U2K/UE1/UK6&UQ3
TF117
117.
D-GN
15489498
30M MXD 064 150 INFOJMPR
B3
3
B10
10
J299
P299
14F MXD 064 150 IP
15488568
TD117
&UQ3-U2K-UE1-UK6
200.
L-GN
0.5
IP
TD117
117.
D-GN
12015199
2F M/P280 IP
P365
J365
2M M/P280 PT_RTWEET
12110131
B
A
200.
RD
0.8
PT_RTWEET
TWP 7 50 NON_STD
117.
GN
Tweeter-Front Right
900_spk_tweet_prm 002
UPC FNA
SPK (-)
SPK (+)
TWEETER
TA117
TC117
0.8
15489487
48M GTMXD IP
3A2
3A1
P279
200 .
117 .
RHBLK
&UQ3/UQ5
A2
A1
P284
14F GTMXD RFDOOR
15467622
TB117
RFDOOR
A
B
Speaker-Front Right
900_spk_frt_up 001
UPC FNA
FRT SPK
12052832
Speaker-Front Right
900_spk_frt_base 001
UPC FNA
15433787

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16402
003
GMT900
GM Proprietary

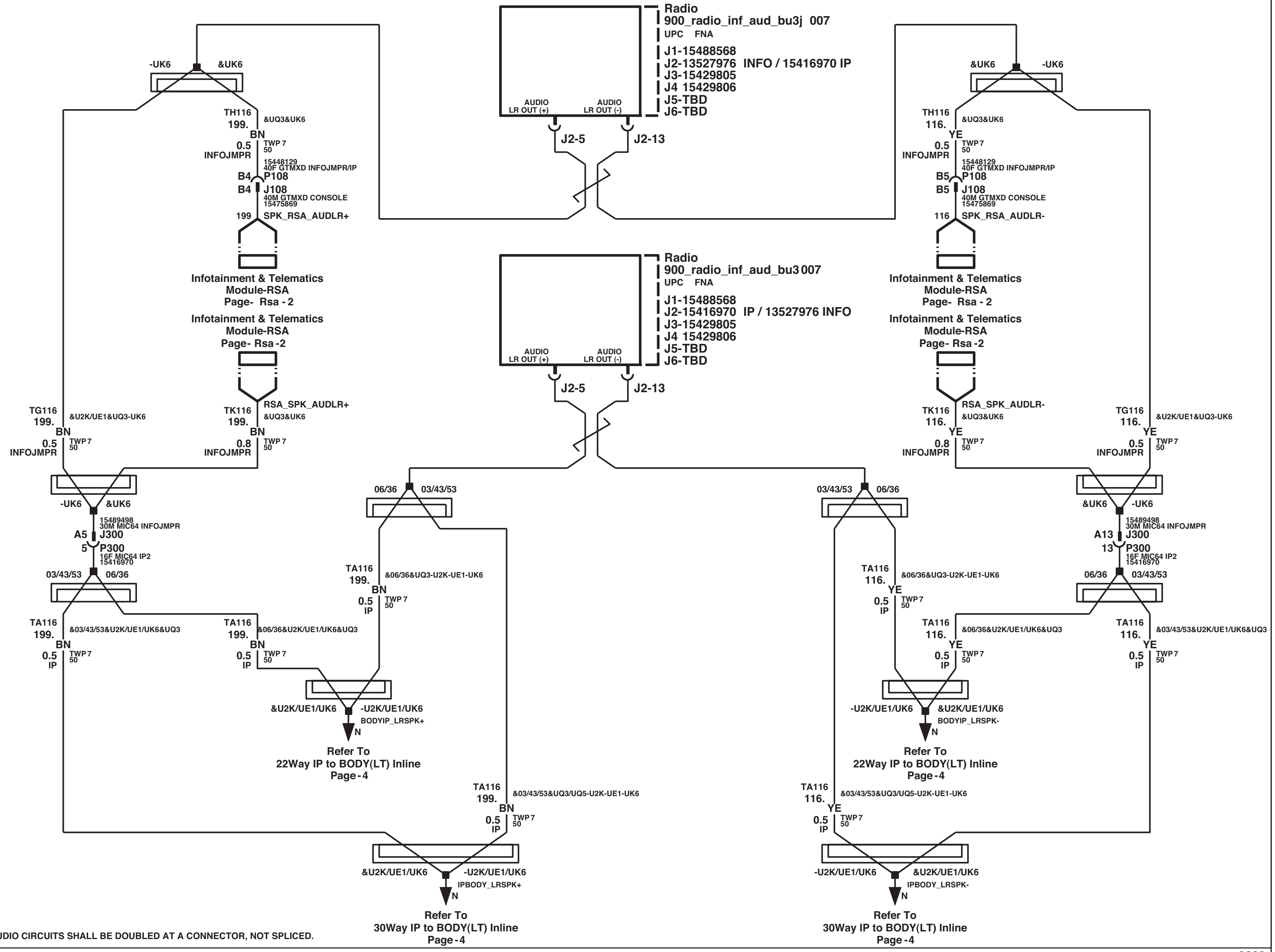
Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

Infotainment and Telematics: Speakers Base

IT02 Panel 2 of 6 -WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Base


Radio
900_radio_inf_aud_bu3j 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4 15429806
J5-TBD
J6-TBD
AUDIO LR OUT (+)
AUDIO LR OUT (-)
J2-5
J2-13
-UK6
&UK6
TH116
199.
&UQ3&UK6
BN
0.5
INFOJMPR
TWP 7
50
15448129
40F GTMXD INFOJMPR/IP
B4
P108
B4
J108
40M GTMXD CONSOLE
15475869
199
SPK_RSA_AUDLR+
Infotainment & Telematics
Module-RSA
Page- Rsa - 2
Infotainment & Telematics
Module-RSA
Page- Rsa -2
&UK6
-UK6
TH116
116.
&UQ3&UK6
YE
0.5
INFOJMPR
TWP 7
50
15448129
40F GTMXD INFOJMPR/IP
B5
P108
B5
J108
40M GTMXD CONSOLE
15475869
116
SPK_RSA_AUDLR-
Infotainment & Telematics
Module-RSA
Page- Rsa - 2
Infotainment & Telematics
Module-RSA
Page- Rsa -2
Radio
900_radio_inf_aud_bu3 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4 15429806
J5-TBD
J6-TBD
AUDIO LR OUT (+)
AUDIO LR OUT (-)
J2-5
J2-13
TG116
199.
&U2K/UE1&UQ3-UK6
BN
0.5
INFOJMPR
TWP 7
50
TK116
199.
RSA_SPK_AUDLR+
&UQ3&UK6
BN
0.8
INFOJMPR
TWP 7
50
TK116
116.
RSA_SPK_AUDLR-
&UQ3&UK6
YE
0.8
INFOJMPR
TWP 7
50
TG116
116.
&U2K/UE1&UQ3-UK6
YE
0.5
INFOJMPR
TWP 7
50
-UK6
&UK6
15489498
30M MIC64 INFOJMPR
A5
J300
5
P300
16F MIC64 IP2
15416970
03/43/53
06/36
06/36
03/43/53
03/43/53
06/36
&UK6
-UK6
15489498
30M MIC64 INFOJMPR
A13
J300
13
P300
16F MIC64 IP2
15416970
06/36
03/43/53
TA116
199.
&06/36&UQ3-U2K-UE1-UK6
BN
0.5
IP
TWP 7
50
TA116
116.
&06/36&UQ3-U2K-UE1-UK6
YE
0.5
IP
TWP 7
50
TA116
199.
&03/43/53&U2K/UE1/UK6&UQ3
BN
0.5
IP
TWP 7
50
TA116
199.
&06/36&U2K/UE1/UK6&UQ3
BN
0.5
IP
TWP 7
50
TA116
116.
&06/36&U2K/UE1/UK6&UQ3
YE
0.5
IP
TWP 7
50
TA116
116.
&03/43/53&U2K/UE1/UK6&UQ3
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IP
TWP 7
50
&U2K/UE1/UK6
-U2K/UE1/UK6
BODYIP_LRSPK+
N
Refer To
22Way IP to BODY(LT) Inline
Page - 4
-U2K/UE1/UK6
&U2K/UE1/UK6
BODYIP_LRSPK-
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Refer To
22Way IP to BODY(LT) Inline
Page - 4
TA116
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TWP 7
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116.
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IP
TWP 7
50
&U2K/UE1/UK6
-U2K/UE1/UK6
IPBODY_LRSPK+
N
Refer To
30Way IP to BODY(LT) Inline
Page - 4
-U2K/UE1/UK6
&U2K/UE1/UK6
IPBODY_LRSPK-
N
Refer To
30Way IP to BODY(LT) Inline
Page - 4

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16402
003
GMT900
GM Proprietary

Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

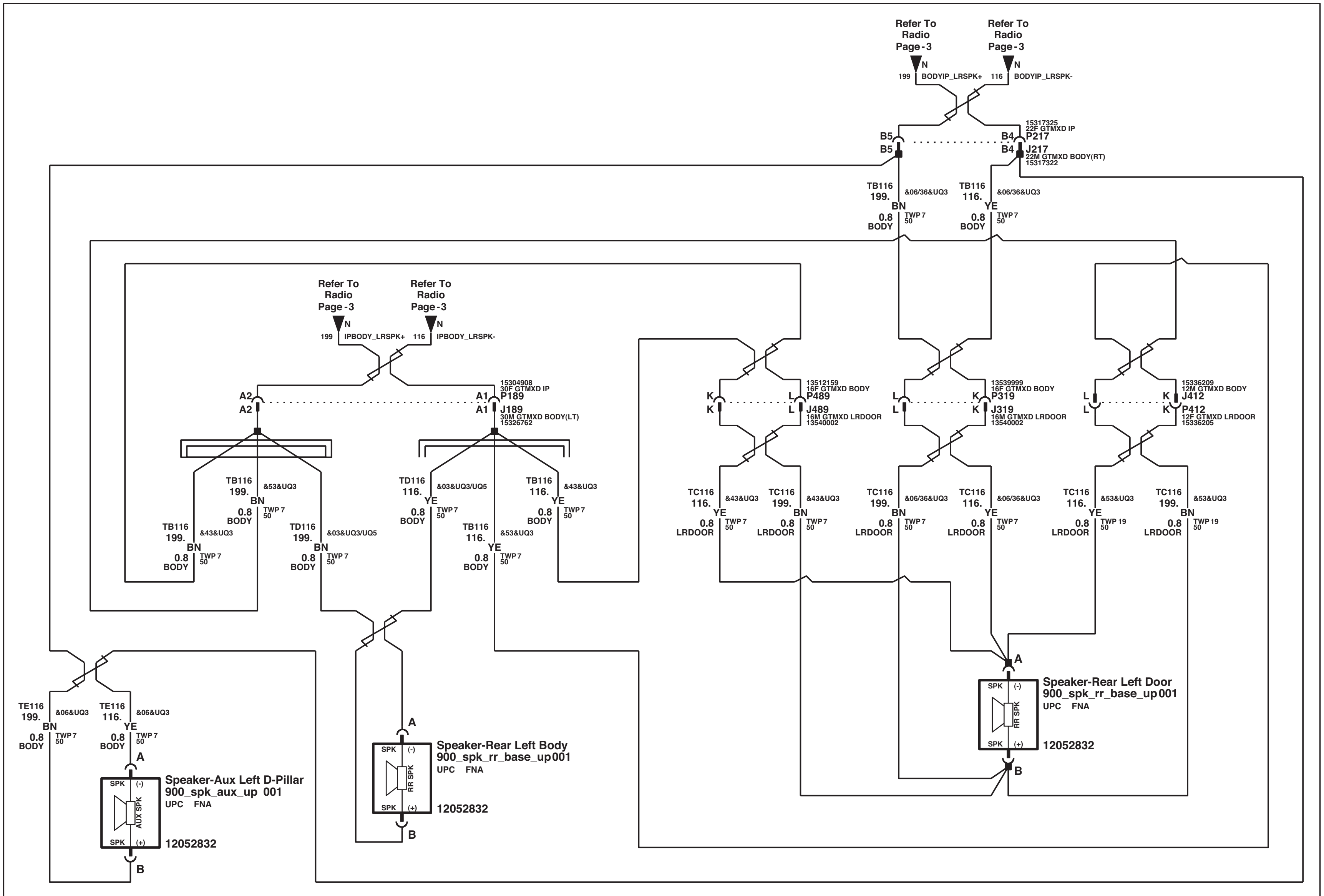
Infotainment and Telematics: Speakers Base

IT02 Panel 3 of 6

-WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Base


Refer To Radio Page-3
N
199
BODYIP_LRSPK+
Refer To Radio Page-3
N
116
BODYIP_LRSPK-
B5
B5
B4
B4
15317325
22F GTMXD IP
P217
J217
22M GTMXD BODY(RT)
15317322
TB116
199.
&06/36&UQ3
BN
0.8
BODY
TWP 7
50
TB116
116.
&06/36&UQ3
YE
0.8
BODY
TWP 7
50
Refer To Radio Page-3
N
199
IPBODY_LRSPK+
Refer To Radio Page-3
N
116
IPBODY_LRSPK-
A2
A2
A1
A1
15304908
30F GTMXD IP
P189
J189
30M GTMXD BODY(LT)
15326762
TB116
199.
&53&UQ3
BN
0.8
BODY
TWP 7
50
TB116
199.
&43&UQ3
BN
0.8
BODY
TWP 7
50
TD116
199.
&03&UQ3/UQ5
BN
0.8
BODY
TWP 7
50
TD116
116.
&03&UQ3/UQ5
YE
0.8
BODY
TWP 7
50
TB116
116.
&53&UQ3
YE
0.8
BODY
TWP 7
50
TB116
116.
&43&UQ3
YE
0.8
BODY
TWP 7
50
K
K
L
L
13512159
16F GTMXD BODY
P489
J489
16M GTMXD LRDOOR
13540002
L
L
K
K
13539999
16F GTMXD BODY
P319
J319
16M GTMXD LRDOOR
13540002
L
L
K
K
15336209
12M GTMXD BODY
J412
P412
12F GTMXD LRDOOR
15336205
TC116
116.
&43&UQ3
YE
0.8
LRDOOR
TWP 7
50
TC116
199.
&43&UQ3
BN
0.8
LRDOOR
TWP 7
50
TC116
199.
&06/36&UQ3
BN
0.8
LRDOOR
TWP 7
50
TC116
116.
&06/36&UQ3
YE
0.8
LRDOOR
TWP 7
50
TC116
116.
&53&UQ3
YE
0.8
LRDOOR
TWP 19
50
TC116
199.
&53&UQ3
BN
0.8
LRDOOR
TWP 19
50
TE116
199.
&06&UQ3
BN
0.8
BODY
TWP 7
50
TE116
116.
&06&UQ3
YE
0.8
BODY
TWP 7
50
A
SPK (-)
AUX SPK
SPK (+)
B
Speaker-Aux Left D-Pillar
900_spk_aux_up 001
UPC FNA
12052832
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Left Body
900_spk_rr_base_up001
UPC FNA
12052832
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Left Door
900_spk_rr_base_up001
UPC FNA
12052832

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

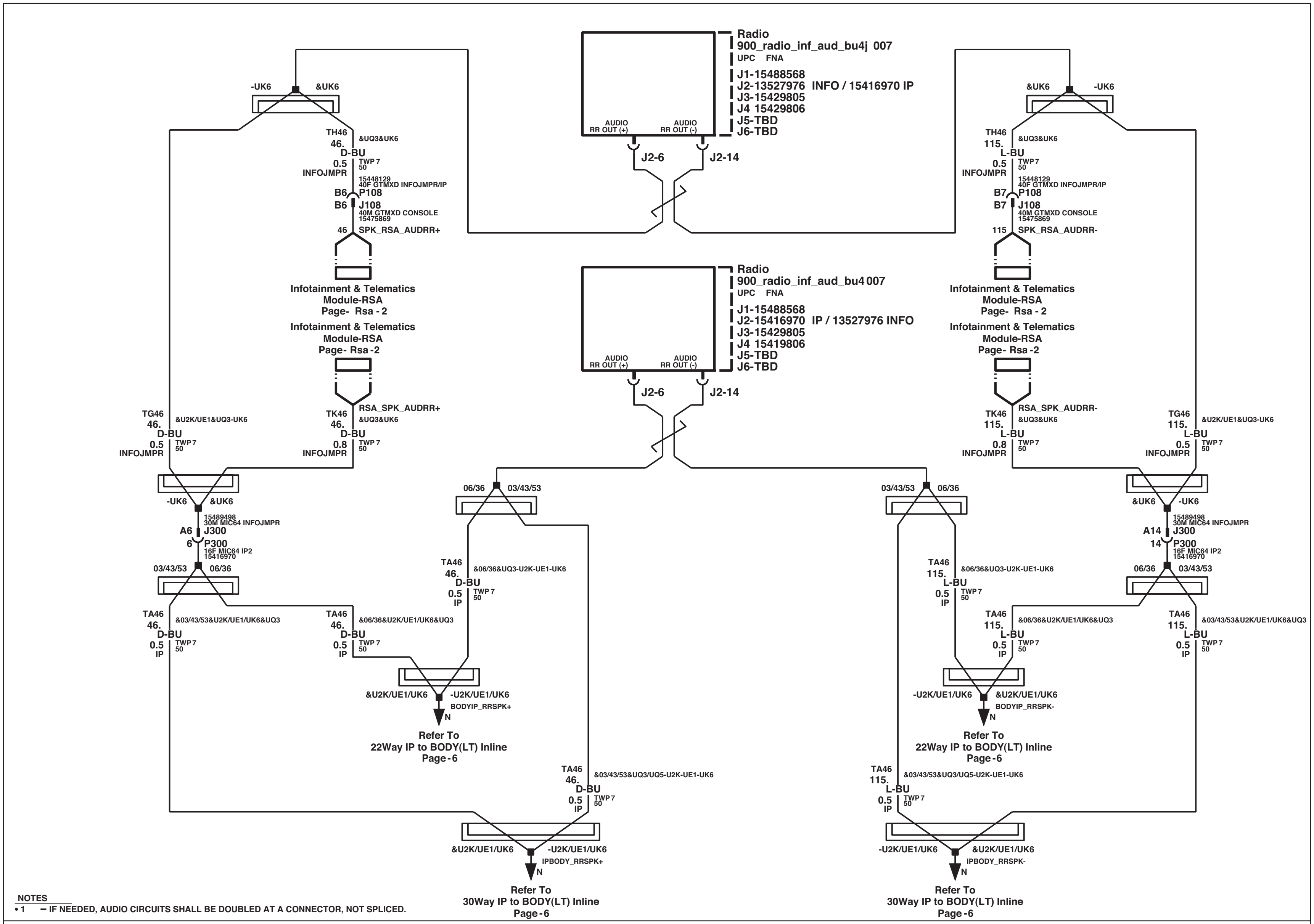
ARE16402
003
GMT900
GM Proprietary

Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

Infotainment and Telematics: Speakers
Base
IT02 Panel 4 of 6
-WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Base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900_radio_inf_aud_bu4j 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4 15429806
J5-TBD
J6-TBD
AUDIO RR OUT (+)
AUDIO RR OUT (-)
J2-6
J2-14
Radio
900_radio_inf_aud_bu4 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4 15419806
J5-TBD
J6-TBD
AUDIO RR OUT (+)
AUDIO RR OUT (-)
J2-6
J2-14
-UK6
&UK6
TH46
46.
&UQ3&UK6
D-BU
0.5
TWP 7
50
INFOJMPR
15448129
40F GTMXD INFOJMPR/IP
B6
P108
B6
J108
40M GTMXD CONSOLE
15475869
46
SPK_RSA_AUDRR+
Infotainment & Telematics
Module-RSA
Page- Rsa - 2
Infotainment & Telematics
Module-RSA
Page- Rsa -2
RSA_SPK_AUDRR+
TK46
46.
&UQ3&UK6
D-BU
0.8
TWP 7
50
INFOJMPR
TG46
46.
&U2K/UE1&UQ3-UK6
D-BU
0.5
TWP 7
50
INFOJMPR
-UK6
&UK6
15489498
30M MIC64 INFOJMPR
A6
J300
6
P300
16F MIC64 IP2
15416970
03/43/53
06/36
TA46
46.
&03/43/53&U2K/UE1/UK6&UQ3
D-BU
0.5
TWP 7
50
IP
TA46
46.
&06/36&U2K/UE1/UK6&UQ3
D-BU
0.5
TWP 7
50
IP
06/36
03/43/53
TA46
46.
&06/36&UQ3-U2K-UE1-UK6
D-BU
0.5
TWP 7
50
IP
&U2K/UE1/UK6
-U2K/UE1/UK6
BODYIP_RRSPK+
N
Refer To
22Way IP to BODY(LT) Inline
Page - 6
TA46
46.
&03/43/53&UQ3/UQ5-U2K-UE1-UK6
D-BU
0.5
TWP 7
50
IP
&U2K/UE1/UK6
-U2K/UE1/UK6
IPBODY_RRSPK+
N
Refer To
30Way IP to BODY(LT) Inline
Page - 6
&UK6
-UK6
TH46
115.
&UQ3&UK6
L-BU
0.5
TWP 7
50
INFOJMPR
15448129
40F GTMXD INFOJMPR/IP
B7
P108
B7
J108
40M GTMXD CONSOLE
15475869
115
SPK_RSA_AUDRR-
Infotainment & Telematics
Module-RSA
Page- Rsa - 2
Infotainment & Telematics
Module-RSA
Page- Rsa -2
RSA_SPK_AUDRR-
TK46
115.
&UQ3&UK6
L-BU
0.8
TWP 7
50
INFOJMPR
TG46
115.
&U2K/UE1&UQ3-UK6
L-BU
0.5
TWP 7
50
INFOJMPR
&UK6
-UK6
15489498
30M MIC64 INFOJMPR
A14
J300
14
P300
16F MIC64 IP2
15416970
06/36
03/43/53
03/43/53
06/36
TA46
115.
&06/36&UQ3-U2K-UE1-UK6
L-BU
0.5
TWP 7
50
IP
TA46
115.
&06/36&U2K/UE1/UK6&UQ3
L-BU
0.5
TWP 7
50
IP
TA46
115.
&03/43/53&U2K/UE1/UK6&UQ3
L-BU
0.5
TWP 7
50
IP
-U2K/UE1/UK6
&U2K/UE1/UK6
BODYIP_RRSPK-
N
Refer To
22Way IP to BODY(LT) Inline
Page - 6
TA46
115.
&03/43/53&UQ3/UQ5-U2K-UE1-UK6
L-BU
0.5
TWP 7
50
IP
-U2K/UE1/UK6
&U2K/UE1/UK6
IPBODY_RRSPK-
N
Refer To
30Way IP to BODY(LT) Inline
Page - 6

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16402
003
GMT900
GM Proprietary

Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

Infotainment and Telematics: Speakers

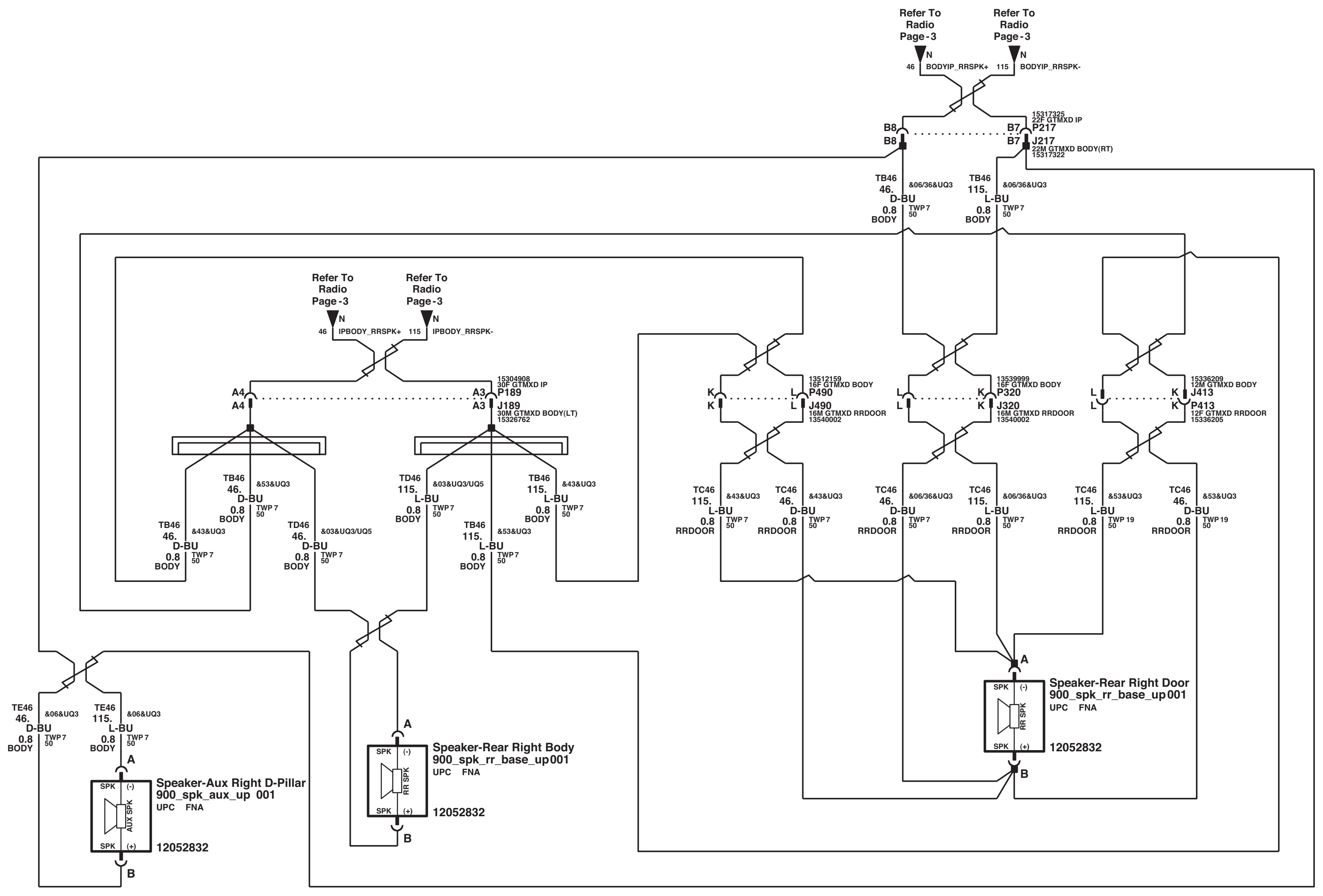
Base

IT02 Panel 5 of 6

-WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Base


Refer To Radio Page - 3
N
46 BODYIP_RRSPK+
Refer To Radio Page - 3
N
115 BODYIP_RRSPK-
15317325
22F GTMXD IP
B8
B7
P217
B8
B7
J217
22M GTMXD BODY(RT)
15317322
TB46 46. &06/36&UQ3 D-BU 0.8 BODY TWP 7 50
TB46 115. &06/36&UQ3 L-BU 0.8 BODY TWP 7 50
Refer To Radio Page - 3
N
46 IPBODY_RRSPK+
Refer To Radio Page - 3
N
115 IPBODY_RRSPK-
15304908
30F GTMXD IP
A4
A3
P189
A4
A3
J189
30M GTMXD BODY(LT)
15326762
TB46 46. &53&UQ3 D-BU 0.8 BODY TWP 7 50
TB46 46. &43&UQ3 D-BU 0.8 BODY TWP 7 50
TD46 46. &03&UQ3/UQ5 D-BU 0.8 BODY TWP 7 50
TD46 115. &03&UQ3/UQ5 L-BU 0.8 BODY TWP 7 50
TB46 115. &43&UQ3 L-BU 0.8 BODY TWP 7 50
TB46 115. &53&UQ3 L-BU 0.8 BODY TWP 7 50
13512159
16F GTMXD BODY
K
L
P490
K
L
J490
16M GTMXD RRDOOR
13540002
13539999
16F GTMXD BODY
L
K
P320
L
K
J320
16M GTMXD RRDOOR
13540002
15336209
12M GTMXD BODY
L
K
J413
L
K
P413
12F GTMXD RRDOOR
15336205
TC46 115. &43&UQ3 L-BU 0.8 RRDOOR TWP 7 50
TC46 46. &43&UQ3 D-BU 0.8 RRDOOR TWP 7 50
TC46 46. &06/36&UQ3 D-BU 0.8 RRDOOR TWP 7 50
TC46 115. &06/36&UQ3 L-BU 0.8 RRDOOR TWP 7 50
TC46 115. &53&UQ3 L-BU 0.8 RRDOOR TWP 19 50
TC46 46. &53&UQ3 D-BU 0.8 RRDOOR TWP 19 50
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Right Door
900_spk_rr_base_up001
UPC FNA
12052832
TE46 46. &06&UQ3 D-BU 0.8 BODY TWP 7 50
TE46 115. &06&UQ3 L-BU 0.8 BODY TWP 7 50
A
SPK (-)
AUX SPK
SPK (+)
B
Speaker-Aux Right D-Pillar
900_spk_aux_up 001
UPC FNA
12052832
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Right Body
900_spk_rr_base_up001
UPC FNA
12052832

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16402
003
GMT900
GM Proprietary

Thursday, September 21, 2006
12:54:16 pm 6
IEC/ESI

Infotainment and Telematics: Speakers

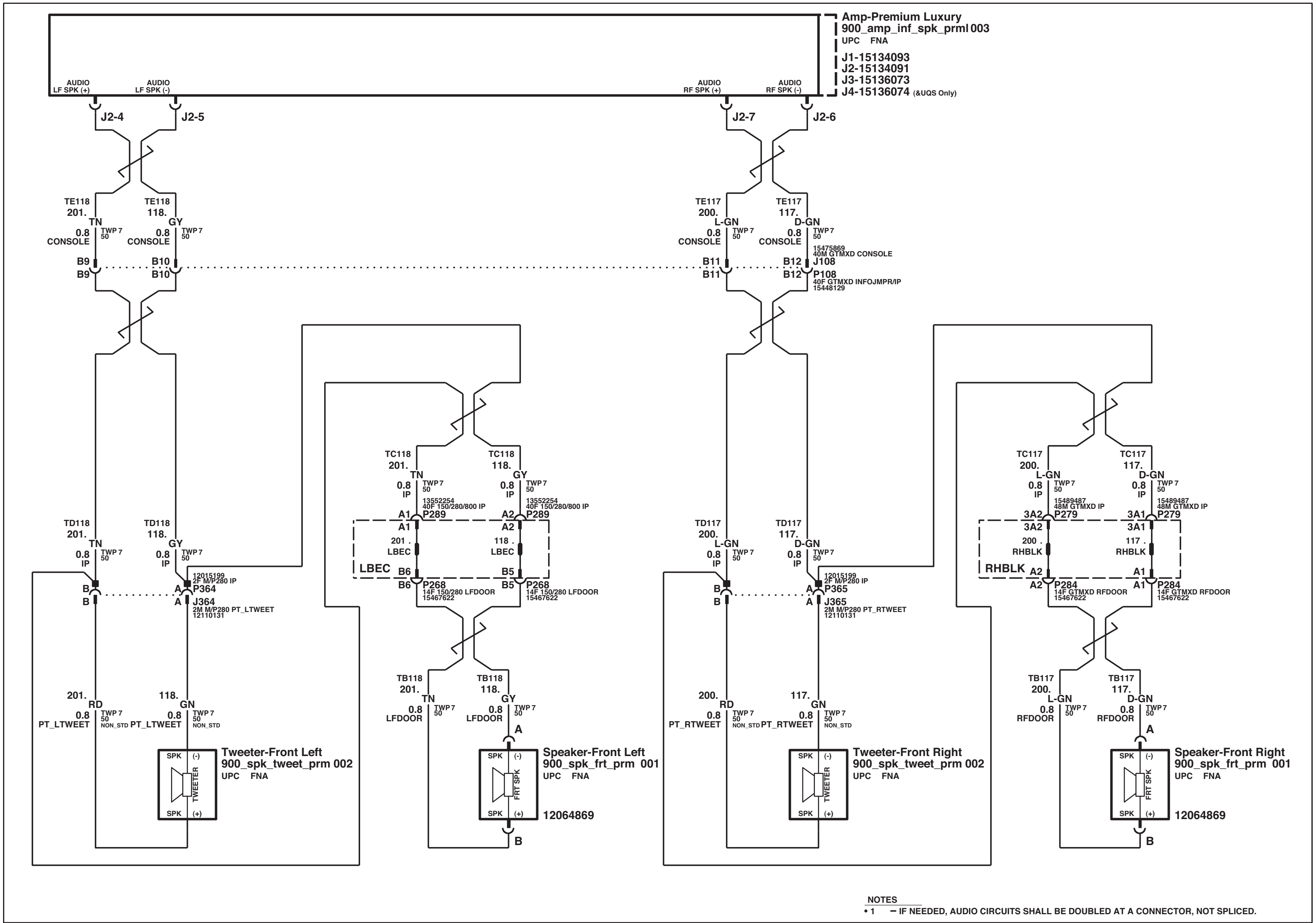
Base

IT02 Panel 6 of 6

-WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Luxury)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900_amp_inf_spk_prml 003
UPC FNA
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)
AUDIO LF SPK (+)
AUDIO LF SPK (-)
AUDIO RF SPK (+)
AUDIO RF SPK (-)
J2-4
J2-5
J2-7
J2-6
TE118 201. TN 0.8 CONSOLE TWP 7 50
TE118 118. GY 0.8 CONSOLE TWP 7 50
TE117 200. L-GN 0.8 CONSOLE TWP 7 50
TE117 117. D-GN 0.8 CONSOLE TWP 7 50
15475869 40M GTMXD CONSOLE
B9 B10 B11 B12 J108
B9 B10 B11 B12 P108
40F GTMXD INFOJMPR/IP 15448129
TC118 201. TN 0.8 IP TWP 7 50
TC118 118. GY 0.8 IP TWP 7 50
13552254 40F 150/280/800 IP
A1 P289
A2 P289
A1 201 . LBEC
A2 118 . LBEC
LBEC B6 B5
B6 P268 14F 150/280 LFDOOR 15467622
B5 P268 14F 150/280 LFDOOR 15467622
TB118 201. TN 0.8 LFDOOR TWP 7 50
TB118 118. GY 0.8 LFDOOR TWP 7 50
TD118 201. TN 0.8 IP TWP 7 50
TD118 118. GY 0.8 IP TWP 7 50
B A P364 12015199 2F M/P280 IP
B A J364 2M M/P280 PT_LTWEET 12110131
201. RD 0.8 PT_LTWEET TWP 7 50 NON_STD
118. GN 0.8 PT_LTWEET TWP 7 50 NON_STD
Tweeter-Front Left
900_spk_tweet_prm 002
UPC FNA
SPK (-) TWEETER SPK (+)
A
Speaker-Front Left
900_spk_frt_prm 001
UPC FNA
SPK (-) FRT SPK SPK (+)
12064869
B
TD117 200. L-GN 0.8 IP TWP 7 50
TD117 117. D-GN 0.8 IP TWP 7 50
B A P365 12015199 2F M/P280 IP
B A J365 2M M/P280 PT_RTWEET 12110131
200. RD 0.8 PT_RTWEET TWP 7 50 NON_STD
117. GN 0.8 PT_RTWEET TWP 7 50 NON_STD
Tweeter-Front Right
900_spk_tweet_prm 002
UPC FNA
TC117 200. L-GN 0.8 IP TWP 7 50
TC117 117. D-GN 0.8 IP TWP 7 50
15489487 48M GTMXD IP
3A2 P279
3A1 P279
3A2 200 . RHBLK
3A1 117 . RHBLK
RHBLK A2 A1
A2 P284 14F GTMXD RFDOOR 15467622
A1 P284 14F GTMXD RFDOOR 15467622
TB117 200. L-GN 0.8 RFDOOR TWP 7 50
TB117 117. D-GN 0.8 RFDOOR TWP 7 50
Speaker-Front Right
900_spk_frt_prm 001
UPC FNA
12064869
NOTES
• 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16403
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:59:32 am 7
IEC/ESI

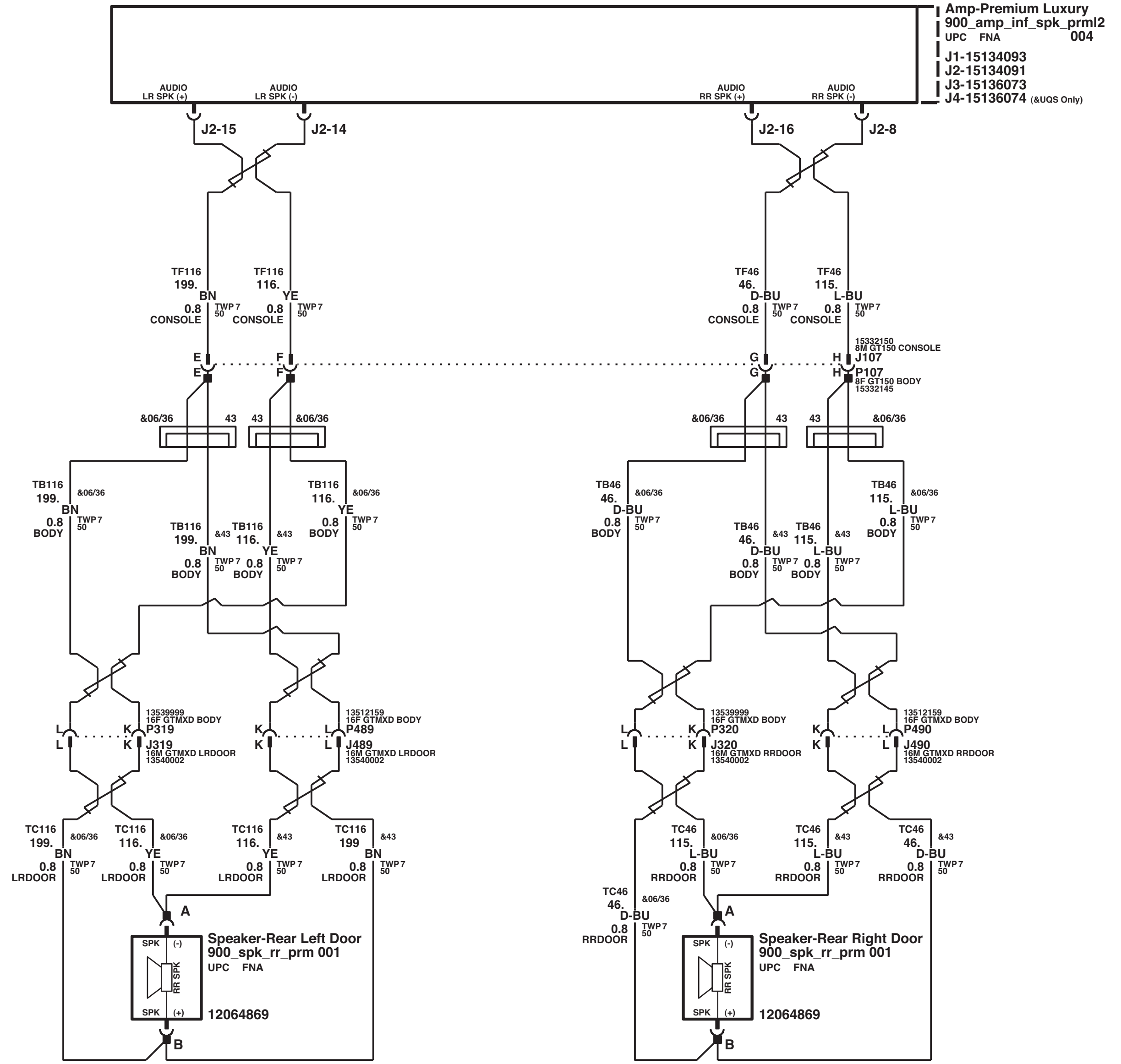
Infotainment and Telematics: Speakers Luxury

IT02 Panel 1 of 3

&UQA/UQS&Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Luxury)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900_amp_inf_spk_prml2
UPC FNA 004
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)
AUDIO LR SPK (+)
AUDIO LR SPK (-)
AUDIO RR SPK (+)
AUDIO RR SPK (-)
J2-15
J2-14
J2-16
J2-8
TF116 199. BN 0.8 CONSOLE TWP 7 50
TF116 116. YE 0.8 CONSOLE TWP 7 50
TF46 46. D-BU 0.8 CONSOLE TWP 7 50
TF46 115. L-BU 0.8 CONSOLE TWP 7 50
15332150
8M GT150 CONSOLE
J107
P107
8F GT150 BODY
15332145
E
F
G
H
&06/36
43
TB116 199. BN 0.8 BODY TWP 7 50 &06/36
TB116 116. YE 0.8 BODY TWP 7 50 &06/36
TB116 199. BN 0.8 BODY TWP 7 50 &43
TB116 116. YE 0.8 BODY TWP 7 50 &43
TB46 46. D-BU 0.8 BODY TWP 7 50 &06/36
TB46 115. L-BU 0.8 BODY TWP 7 50 &06/36
TB46 46. D-BU 0.8 BODY TWP 7 50 &43
TB46 115. L-BU 0.8 BODY TWP 7 50 &43
13539999
16F GTMXD BODY
P319
J319
16M GTMXD LRDOOR
13540002
13512159
16F GTMXD BODY
P489
J489
16M GTMXD LRDOOR
13540002
13539999
16F GTMXD BODY
P320
J320
16M GTMXD RRDOOR
13540002
13512159
16F GTMXD BODY
P490
J490
16M GTMXD RRDOOR
13540002
L
K
TC116 199. BN 0.8 LRDOOR TWP 7 50 &06/36
TC116 116. YE 0.8 LRDOOR TWP 7 50 &06/36
TC116 116. YE 0.8 LRDOOR TWP 7 50 &43
TC116 199 BN 0.8 LRDOOR TWP 7 50 &43
TC46 115. L-BU 0.8 RRDOOR TWP 7 50 &06/36
TC46 115. L-BU 0.8 RRDOOR TWP 7 50 &43
TC46 46. D-BU 0.8 RRDOOR TWP 7 50 &43
TC46 46. D-BU 0.8 RRDOOR TWP 7 50 &06/36
A
B
SPK (-)
SPK (+)
RR SPK
Speaker-Rear Left Door
900_spk_rr_prm 001
UPC FNA
12064869
Speaker-Rear Right Door
900_spk_rr_prm 001
UPC FNA
12064869

ARE16403
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:59:32 am 7
IEC/ESI

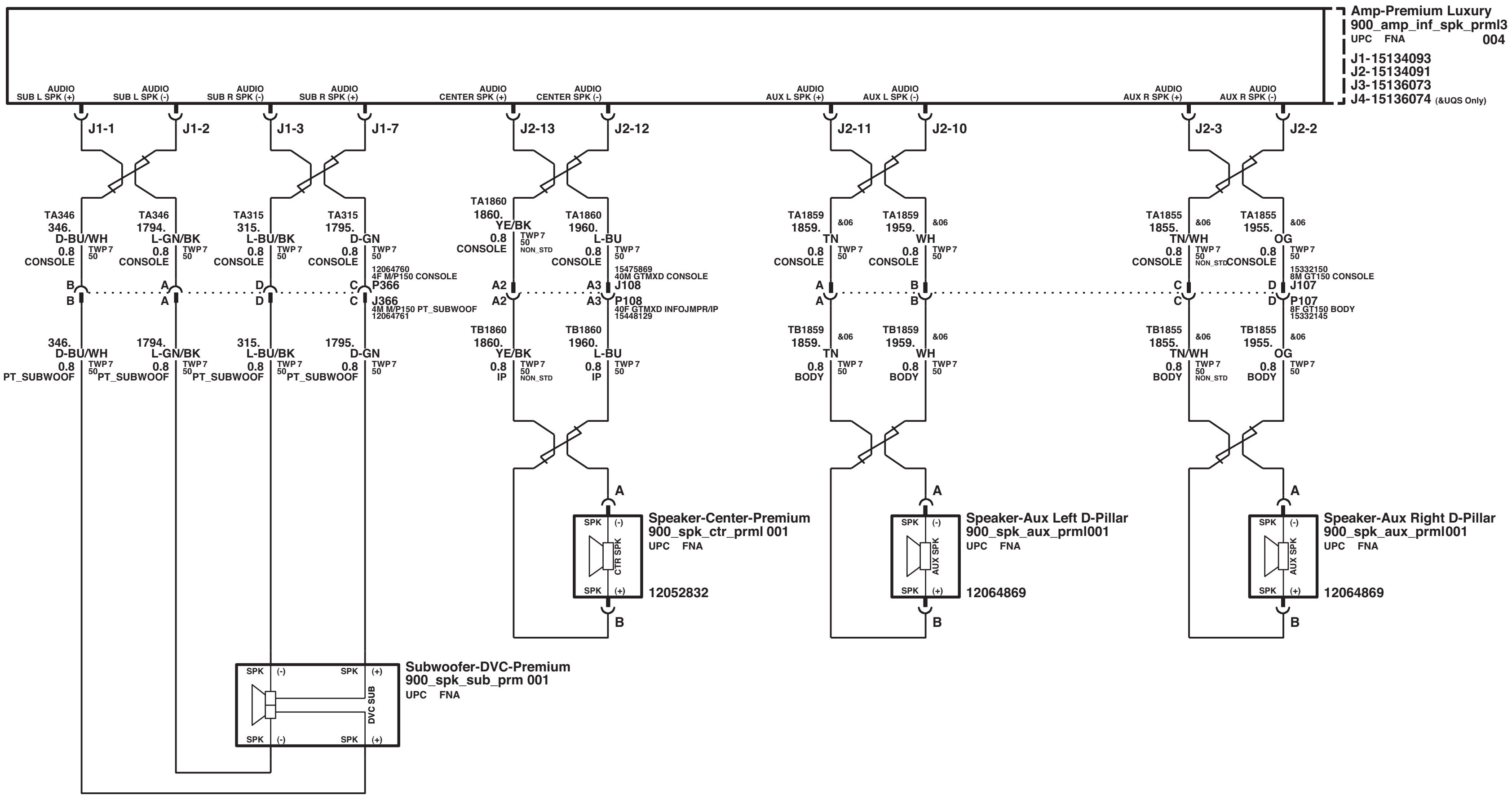
Infotainment and Telematics: Speakers Luxury

IT02 Panel 2 of 3

&UQA/UQS&Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Luxury)


Amp-Premium Luxury
900_amp_inf_spk_prml3
UPC FNA
004
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)
AUDIO SUB L SPK (+)
AUDIO SUB L SPK (-)
AUDIO SUB R SPK (-)
AUDIO SUB R SPK (+)
AUDIO CENTER SPK (+)
AUDIO CENTER SPK (-)
AUDIO AUX L SPK (+)
AUDIO AUX L SPK (-)
AUDIO AUX R SPK (+)
AUDIO AUX R SPK (-)
J1-1
J1-2
J1-3
J1-7
J2-13
J2-12
J2-11
J2-10
J2-3
J2-2
TA346 346. D-BU/WH 0.8 CONSOLE TWP 7 50
TA346 1794. L-GN/BK 0.8 CONSOLE TWP 7 50
TA315 315. L-BU/BK 0.8 CONSOLE TWP 7 50
TA315 1795. D-GN 0.8 CONSOLE TWP 7 50
TA1860 1860. YE/BK 0.8 CONSOLE TWP 7 50 NON_STD
TA1860 1960. L-BU 0.8 CONSOLE TWP 7 50
TA1859 1859. TN 0.8 CONSOLE TWP 7 50 &06
TA1859 1959. WH 0.8 CONSOLE TWP 7 50 &06
TA1855 1855. TN/WH 0.8 CONSOLE TWP 7 50 NON_STD &06
TA1855 1955. OG 0.8 CONSOLE TWP 7 50 &06
12064760
4F M/P150 CONSOLE
P366
J366
4M M/P150 PT_SUBWOOF
12064761
B A D C
15475869
40M GTMXD CONSOLE
J108
P108
40F GTMXD INFOJMPR/IP
15448129
A2 A3
A B
15332150
8M GT150 CONSOLE
J107
P107
8F GT150 BODY
15332145
C D
346. D-BU/WH 0.8 PT_SUBWOOF TWP 7 50
1794. L-GN/BK 0.8 PT_SUBWOOF TWP 7 50
315. L-BU/BK 0.8 PT_SUBWOOF TWP 7 50
1795. D-GN 0.8 PT_SUBWOOF TWP 7 50
TB1860 1860. YE/BK 0.8 IP TWP 7 50 NON_STD
TB1860 1960. L-BU 0.8 IP TWP 7 50
TB1859 1859. TN 0.8 BODY TWP 7 50 &06
TB1859 1959. WH 0.8 BODY TWP 7 50 &06
TB1855 1855. TN/WH 0.8 BODY TWP 7 50 NON_STD &06
TB1855 1955. OG 0.8 BODY TWP 7 50 &06
Speaker-Center-Premium
900_spk_ctr_prml 001
UPC FNA
12052832
CTR SPK
Speaker-Aux Left D-Pillar
900_spk_aux_prml001
UPC FNA
12064869
AUX SPK
Speaker-Aux Right D-Pillar
900_spk_aux_prml001
UPC FNA
12064869
AUX SPK
SPK (-)
SPK (+)
A
B
Subwoofer-DVC-Premium
900_spk_sub_prm 001
UPC FNA
DVC SUB
SPK (-) SPK (+)
SPK (-) SPK (+)

ARE16403
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:59:32 am 7
IEC/ESI

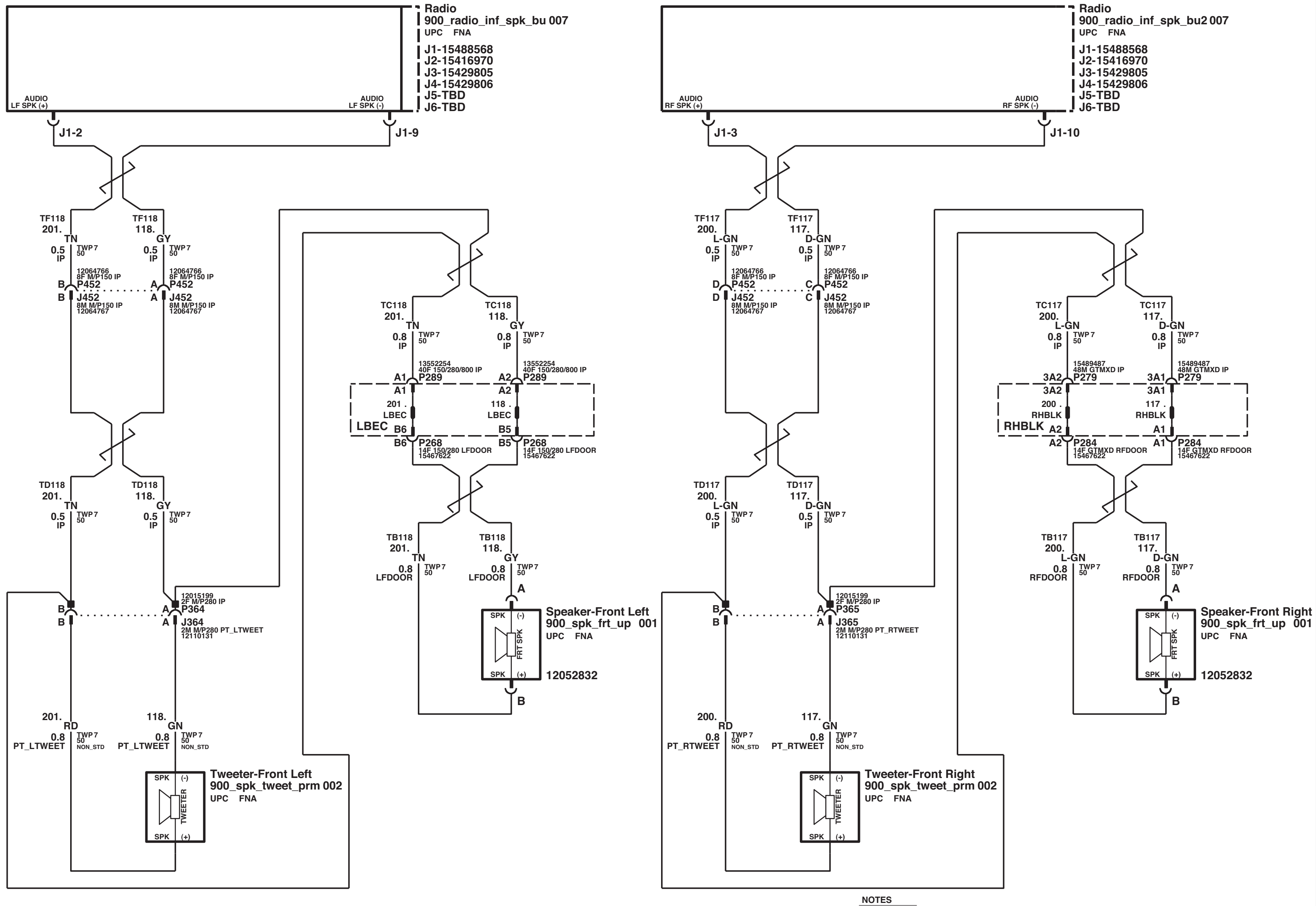
Infotainment and Telematics: Speakers Luxury

IT02 Panel 3 of 3

&UQA/UQS&Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Police Package


Radio
900_radio_inf_spk_bu 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO LF SPK (+)
AUDIO LF SPK (-)
J1-2
J1-9
TF118 201. TN 0.5 IP TWP 7 50
TF118 118. GY 0.5 IP TWP 7 50
12064766 8F M/P150 IP
B P452
B J452
A P452
A J452
8M M/P150 IP 12064767
TD118 201. TN 0.5 IP TWP 7 50
TD118 118. GY 0.5 IP TWP 7 50
12015199 2F M/P280 IP
B P364
A P364
B J364
A J364
2M M/P280 PT_LTWEET 12110131
201. RD 0.8 PT_LTWEET TWP 7 50 NON_STD
118. GN 0.8 PT_LTWEET TWP 7 50 NON_STD
Tweeter-Front Left
900_spk_tweet_prm 002
UPC FNA
SPK (-)
SPK (+)
TWEETER
TC118 201. TN 0.8 IP TWP 7 50
TC118 118. GY 0.8 IP TWP 7 50
13552254 40F 150/280/800 IP
A1 P289
A2 P289
201 . LBEC
118 . LBEC
LBEC
B6 P268
B5 P268
14F 150/280 LFDOOR 15467622
TB118 201. TN 0.8 LFDOOR TWP 7 50
TB118 118. GY 0.8 LFDOOR TWP 7 50
A
B
Speaker-Front Left
900_spk_frt_up 001
UPC FNA
12052832
FRT SPK
Radio
900_radio_inf_spk_bu2 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4-15429806
J5-TBD
J6-TBD
AUDIO RF SPK (+)
AUDIO RF SPK (-)
J1-3
J1-10
TF117 200. L-GN 0.5 IP TWP 7 50
TF117 117. D-GN 0.5 IP TWP 7 50
12064766 8F M/P150 IP
D P452
D J452
C P452
C J452
8M M/P150 IP 12064767
TD117 200. L-GN 0.5 IP TWP 7 50
TD117 117. D-GN 0.5 IP TWP 7 50
12015199 2F M/P280 IP
B
A P365
A J365
2M M/P280 PT_RTWEET 12110131
200. RD 0.8 PT_RTWEET TWP 7 50 NON_STD
117. GN 0.8 PT_RTWEET TWP 7 50 NON_STD
Tweeter-Front Right
900_spk_tweet_prm 002
UPC FNA
TC117 200. L-GN 0.8 IP TWP 7 50
TC117 117. D-GN 0.8 IP TWP 7 50
15489487 48M GTMXD IP
3A2 P279
3A1 P279
200 . RHBLK
117 . RHBLK
RHBLK
A2 P284
A1 P284
14F GTMXD RFDOOR 15467622
TB117 200. L-GN 0.8 RFDOOR TWP 7 50
TB117 117. D-GN 0.8 RFDOOR TWP 7 50
Speaker-Front Right
900_spk_frt_up 001
UPC FNA
12052832

NOTES
• 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

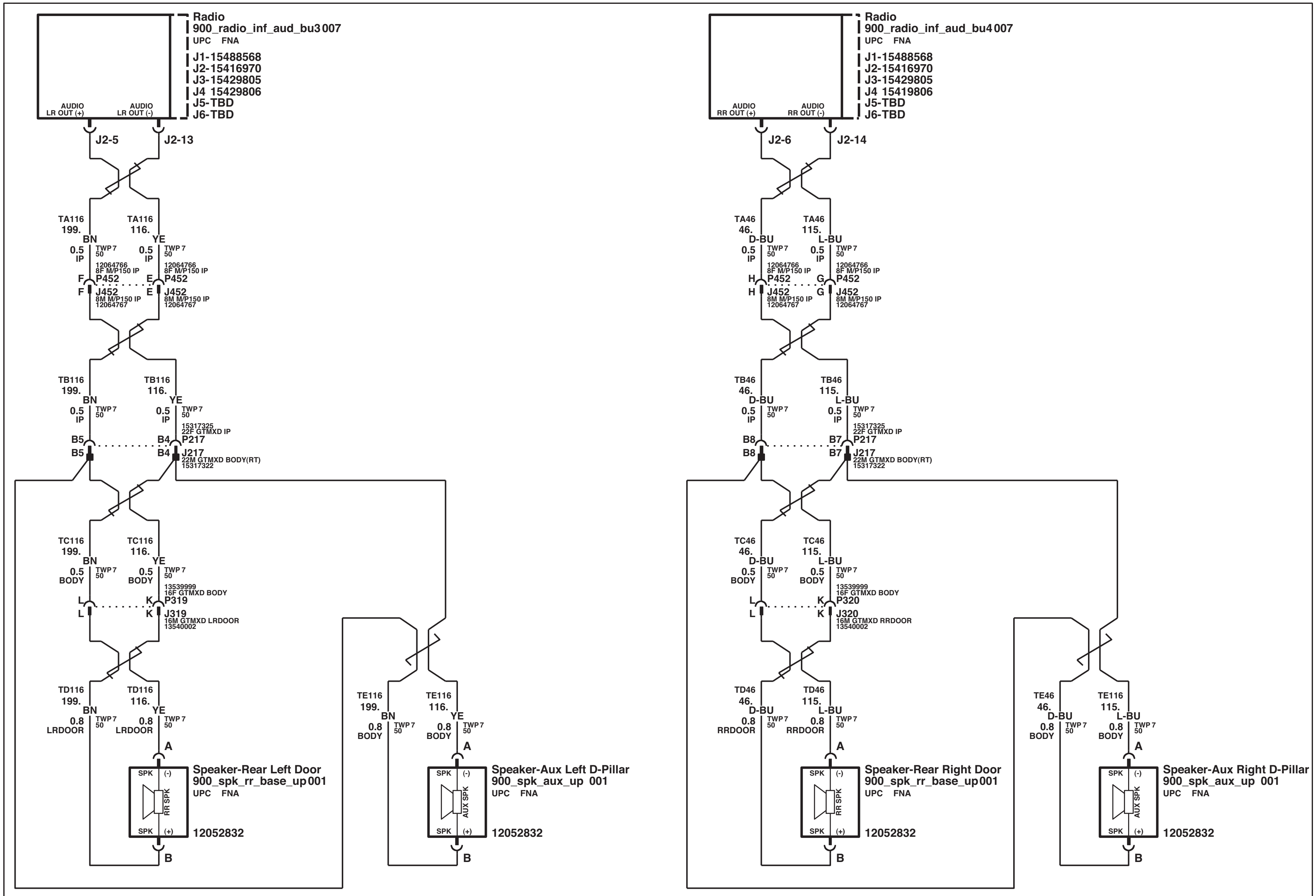
ARE74252
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:59:09 am 5
IEC/ESI

Infotainment and Telematics: Speakers
Police Package
IT02 Panel 1 of 2
&UQ3&WX7

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Police Package


Radio
900_radio_inf_aud_bu3 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4 15429806
J5-TBD
J6-TBD
AUDIO LR OUT (+)
AUDIO LR OUT (-)
J2-5
J2-13
TA116 199. BN 0.5 IP TWP 7 50
TA116 116. YE 0.5 IP TWP 7 50
12064766 8F M/P150 IP
F P452
E P452
F J452
E J452
8M M/P150 IP 12064767
TB116 199. BN 0.5 IP TWP 7 50
TB116 116. YE 0.5 IP TWP 7 50
15317325 22F GTMXD IP
B5 P217
B4 P217
B5 J217
B4 J217
22M GTMXD BODY(RT) 15317322
TC116 199. BN 0.5 BODY TWP 7 50
TC116 116. YE 0.5 BODY TWP 7 50
13539999 16F GTMXD BODY
L P319
K P319
L J319
K J319
16M GTMXD LRDOOR 13540002
TD116 199. BN 0.8 LRDOOR TWP 7 50
TD116 116. YE 0.8 LRDOOR TWP 7 50
TE116 199. BN 0.8 BODY TWP 7 50
TE116 116. YE 0.8 BODY TWP 7 50
A
B
SPK (-)
SPK (+)
RR SPK
Speaker-Rear Left Door
900_spk_rr_base_up 001
UPC FNA
12052832
AUX SPK
Speaker-Aux Left D-Pillar
900_spk_aux_up 001
UPC FNA
12052832
Radio
900_radio_inf_aud_bu4 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4 15419806
J5-TBD
J6-TBD
AUDIO RR OUT (+)
AUDIO RR OUT (-)
J2-6
J2-14
TA46 46. D-BU 0.5 IP TWP 7 50
TA46 115. L-BU 0.5 IP TWP 7 50
12064766 8F M/P150 IP
H P452
G P452
H J452
G J452
8M M/P150 IP 12064767
TB46 46. D-BU 0.5 IP TWP 7 50
TB46 115. L-BU 0.5 IP TWP 7 50
15317325 22F GTMXD IP
B8 P217
B7 P217
B8 J217
B7 J217
22M GTMXD BODY(RT) 15317322
TC46 46. D-BU 0.5 BODY TWP 7 50
TC46 115. L-BU 0.5 BODY TWP 7 50
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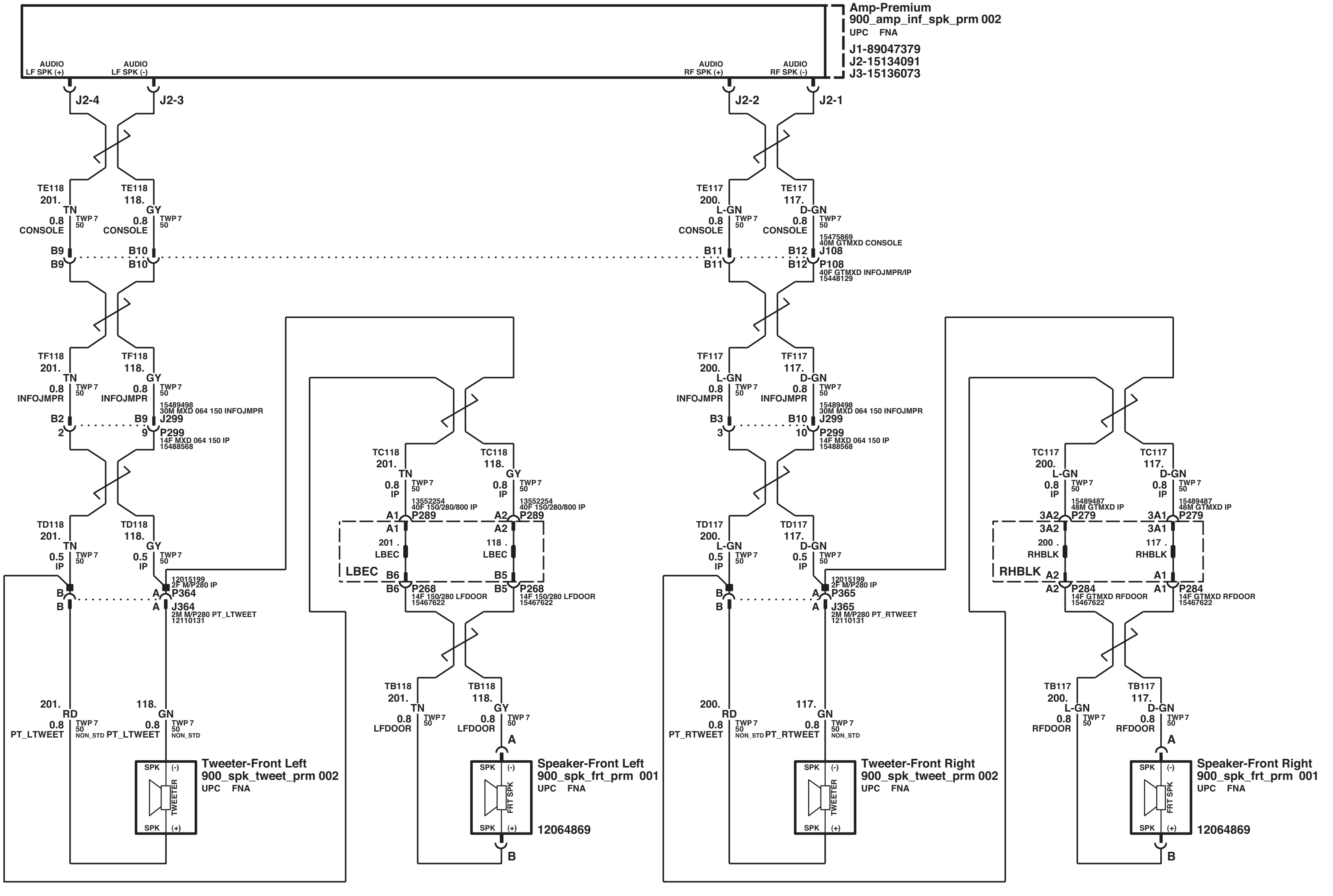
L P320
K P320
L J320
K J320
16M GTMXD RRDOOR 13540002
TD46 46. D-BU 0.8 RRDOOR TWP 7 50
TD46 115. L-BU 0.8 RRDOOR TWP 7 50
TE46 46. D-BU 0.8 BODY TWP 7 50
TE116 115. L-BU 0.8 BODY TWP 7 50
Speaker-Rear Right Door
900_spk_rr_base_up 001
UPC FNA
12052832
Speaker-Aux Right D-Pillar
900_spk_aux_up 001
UPC FNA
12052832

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE74252 003 GMT900 GM Proprietary	Monday, September 18, 2006 10:59:09 am 5 IEC/ESI	Infotainment and Telematics: Speakers IT02 Panel 2 of 2	Police Package &UQ3&WX7	2008 GMT900 MVBS System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Non-Luxury)


Amp-Premium
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UPC FNA
J1-89047379
J2-15134091
J3-15136073
AUDIO LF SPK (+)
AUDIO LF SPK (-)
AUDIO RF SPK (+)
AUDIO RF SPK (-)
J2-4
J2-3
J2-2
J2-1
TE118 201. TN 0.8 CONSOLE TWP 7 50
TE118 118. GY 0.8 CONSOLE TWP 7 50
TE117 200. L-GN 0.8 CONSOLE TWP 7 50
TE117 117. D-GN 0.8 CONSOLE TWP 7 50
B9
B10
B11
B12
15475869 40M GTMXD CONSOLE J108
P108 40F GTMXD INFOJMPR/IP 15448129
TF118 201. TN 0.8 INFOJMPR TWP 7 50
TF118 118. GY 0.8 INFOJMPR TWP 7 50
15489498 30M MXD 064 150 INFOJMPR J299
B2 2
B9 9
P299 14F MXD 064 150 IP 15488568
TF117 200. L-GN 0.8 INFOJMPR TWP 7 50
TF117 117. D-GN 0.8 INFOJMPR TWP 7 50
B3 3
B10 10
TD118 201. TN 0.5 IP TWP 7 50
TD118 118. GY 0.5 IP TWP 7 50
12015199 2F M/P280 IP P364
J364 2M M/P280 PT_LTWEET 12110131
B
A
TD117 200. L-GN 0.5 IP TWP 7 50
TD117 117. D-GN 0.5 IP TWP 7 50
12015199 2F M/P280 IP P365
J365 2M M/P280 PT_RTWEET 12110131
TC118 201. TN 0.8 IP TWP 7 50
TC118 118. GY 0.8 IP TWP 7 50
13552254 40F 150/280/800 IP P289
A1
A2
201 . LBEC
118 . LBEC
LBEC
B6
B5
P268 14F 150/280 LFDOOR 15467622
TC117 200. L-GN 0.8 IP TWP 7 50
TC117 117. D-GN 0.8 IP TWP 7 50
15489487 48M GTMXD IP P279
3A2
3A1
200 . RHBLK
117 . RHBLK
RHBLK
A2
A1
P284 14F GTMXD RFDOOR 15467622
201. RD 0.8 PT_LTWEET TWP 7 50 NON_STD
118. GN 0.8 PT_LTWEET TWP 7 50 NON_STD
TB118 201. TN 0.8 LFDOOR TWP 7 50
TB118 118. GY 0.8 LFDOOR TWP 7 50
200. RD 0.8 PT_RTWEET TWP 7 50 NON_STD
117. GN 0.8 PT_RTWEET TWP 7 50 NON_STD
TB117 200. L-GN 0.8 RFDOOR TWP 7 50
TB117 117. D-GN 0.8 RFDOOR TWP 7 50
SPK (-)
SPK (+)
TWEETER
FRT SPK
A
B
Tweeter-Front Left
900_spk_tweet_prm 002
UPC FNA
Speaker-Front Left
900_spk_frt_prm 001
UPC FNA
12064869
Tweeter-Front Right
900_spk_tweet_prm 002
UPC FNA
Speaker-Front Right
900_spk_frt_prm 001
UPC FNA
12064869

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16404
003
GMT900
GM Proprietary

Monday, September 18, 2006
11:00:16 am 5
IEC/ESI

Infotainment and Telematics: Speakers Premium

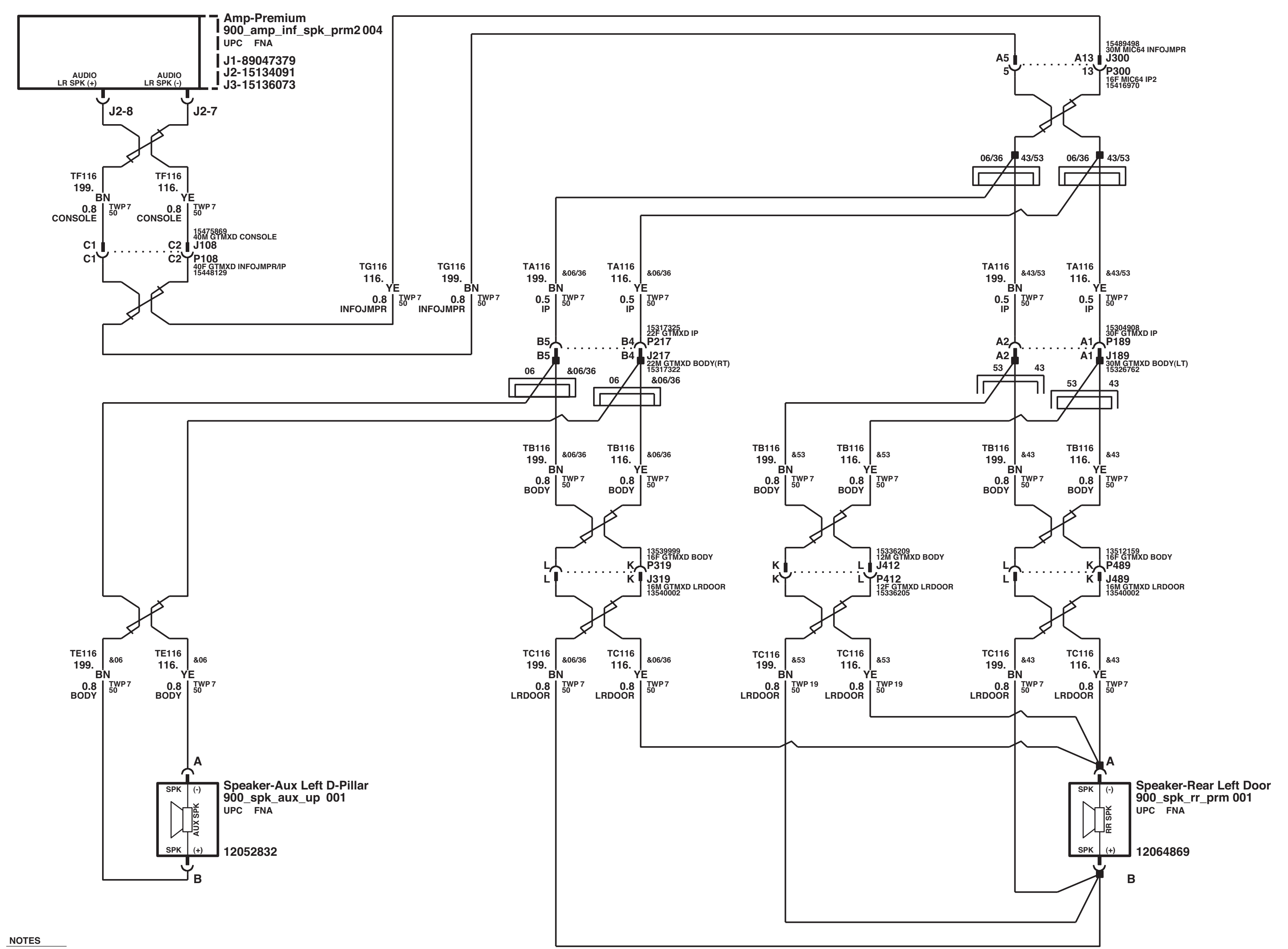
IT02 Panel 1 of 4

&UQA-Y91

2008
GMT900
MVBS

System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Non-Luxury)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UPC FNA
J1-89047379
J2-15134091
J3-15136073
AUDIO LR SPK (+)
AUDIO LR SPK (-)
J2-8
J2-7
TF116 199. BN 0.8 CONSOLE TWP 7 50
TF116 116. YE 0.8 CONSOLE TWP 7 50
15475869
40M GTMXD CONSOLE
C1 C2 J108
C1 C2 P108
40F GTMXD INFOJMPR/IP
15448129
TG116 116. YE 0.8 INFOJMPR TWP 7 50
TG116 199. BN 0.8 INFOJMPR TWP 7 50
15489498
30M MIC64 INFOJMPR
A5 A13 J300
5 13 P300
16F MIC64 IP2
15416970
06/36 43/53
06/36 43/53
TA116 199. BN &06/36 0.5 IP TWP 7 50
TA116 116. YE &06/36 0.5 IP TWP 7 50
15317325
22F GTMXD IP
B5 B4 P217
B5 B4 J217
22M GTMXD BODY(RT)
15317322
06 &06/36
06 &06/36
TA116 199. BN &43/53 0.5 IP TWP 7 50
TA116 116. YE &43/53 0.5 IP TWP 7 50
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30F GTMXD IP
A2 A1 P189
A2 A1 J189
30M GTMXD BODY(LT)
15326762
53 43
53 43
TB116 199. BN &06/36 0.8 BODY TWP 7 50
TB116 116. YE &06/36 0.8 BODY TWP 7 50
TB116 199. BN &53 0.8 BODY TWP 7 50
TB116 116. YE &53 0.8 BODY TWP 7 50
TB116 199. BN &43 0.8 BODY TWP 7 50
TB116 116. YE &43 0.8 BODY TWP 7 50
13539999
16F GTMXD BODY
L K P319
L K J319
16M GTMXD LRDOOR
13540002
15336209
12M GTMXD BODY
K L J412
K L P412
12F GTMXD LRDOOR
15336205
13512159
16F GTMXD BODY
L K P489
L K J489
16M GTMXD LRDOOR
13540002
TE116 199. BN &06 0.8 BODY TWP 7 50
TE116 116. YE &06 0.8 BODY TWP 7 50
TC116 199. BN &06/36 0.8 LRDOOR TWP 7 50
TC116 116. YE &06/36 0.8 LRDOOR TWP 7 50
TC116 199. BN &53 0.8 LRDOOR TWP 19 50
TC116 116. YE &53 0.8 LRDOOR TWP 19 50
TC116 199. BN &43 0.8 LRDOOR TWP 7 50
TC116 116. YE &43 0.8 LRDOOR TWP 7 50
A
SPK (-)
AUX SPK
SPK (+)
B
Speaker-Aux Left D-Pillar
900_spk_aux_up 001
UPC FNA
12052832
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Left Door
900_spk_rr_prm 001
UPC FNA
12064869

NOTES
- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16404
003
GMT900
GM Proprietary

Monday, September 18, 2006
11:00:16 am 5
IEC/ESI

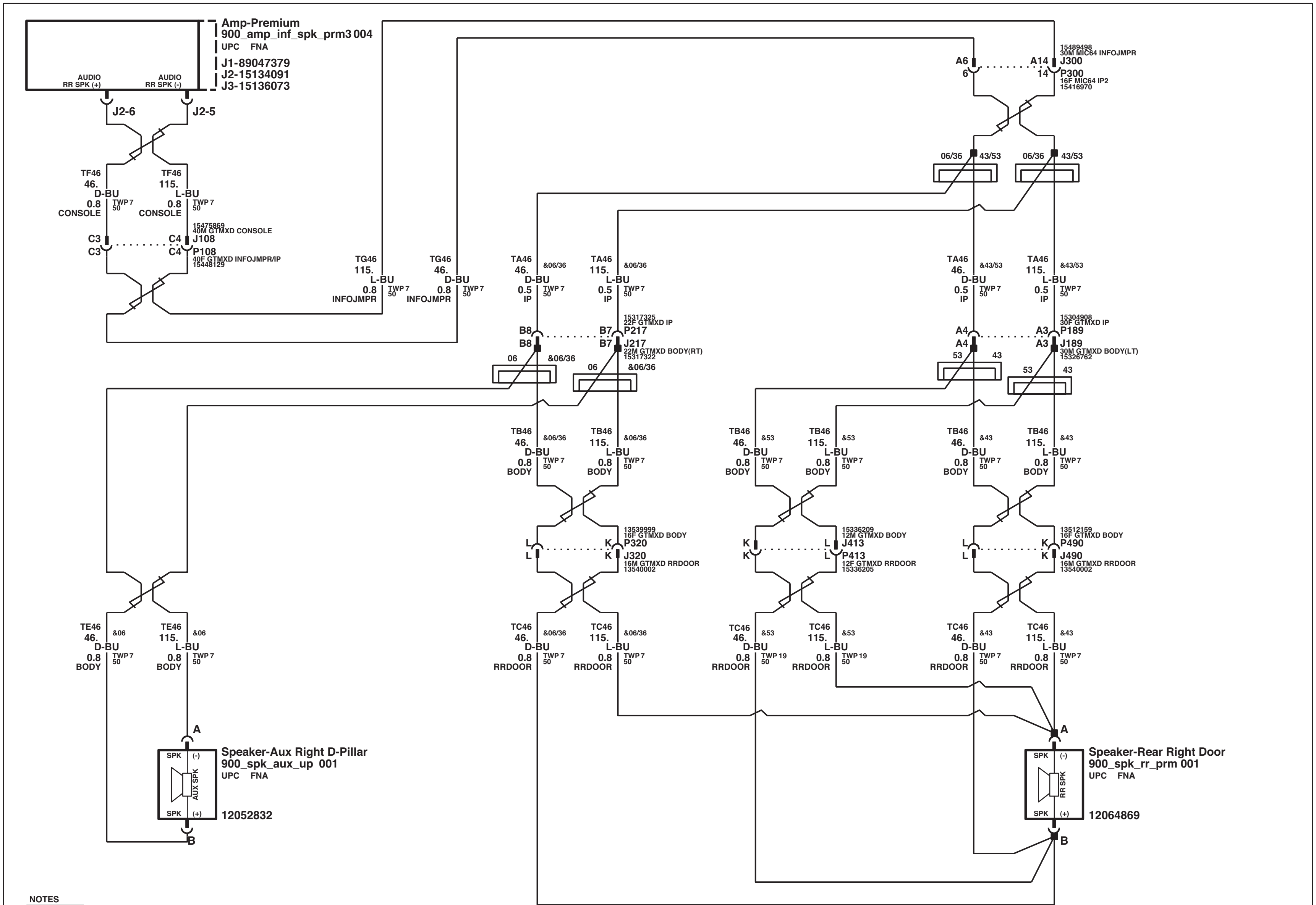
Infotainment and Telematics: Speakers Premium

IT02 Panel 2 of 4

&UQA-Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Non-Luxury)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J1-89047379
J2-15134091
J3-15136073
AUDIO RR SPK (+)
AUDIO RR SPK (-)
J2-6
J2-5
TF46 46. D-BU 0.8 CONSOLE TWP 7 50
TF46 115. L-BU 0.8 CONSOLE TWP 7 50
15475869 40M GTMXD CONSOLE
C3 C3
C4 C4
J108
P108
40F GTMXD INFOJMPR/IP 15448129
TG46 115. L-BU 0.8 INFOJMPR TWP 7 50
TG46 46. D-BU 0.8 INFOJMPR TWP 7 50
15489498 30M MIC64 INFOJMPR
A6 6
A14 14
J300
P300
16F MIC64 IP2 15416970
06/36 43/53
06/36 43/53
TA46 46. D-BU 0.5 IP &06/36 TWP 7 50
TA46 115. L-BU 0.5 IP &06/36 TWP 7 50
15317325 22F GTMXD IP
B8 B8
B7 B7
P217
J217
22M GTMXD BODY(RT) 15317322
06 &06/36
06 &06/36
TA46 46. D-BU 0.5 IP &43/53 TWP 7 50
TA46 115. L-BU 0.5 IP &43/53 TWP 7 50
15304908 30F GTMXD IP
A4 A4
A3 A3
P189
J189
30M GTMXD BODY(LT) 15326762
53 43
53 43
TB46 46. D-BU 0.8 BODY &06/36 TWP 7 50
TB46 115. L-BU 0.8 BODY &06/36 TWP 7 50
TB46 46. D-BU 0.8 BODY &53 TWP 7 50
TB46 115. L-BU 0.8 BODY &53 TWP 7 50
TB46 46. D-BU 0.8 BODY &43 TWP 7 50
TB46 115. L-BU 0.8 BODY &43 TWP 7 50
13539999 16F GTMXD BODY
L L K K
P320
J320
16M GTMXD RRDOOR 13540002
15336209 12M GTMXD BODY
K K L L
J413
P413
12F GTMXD RRDOOR 15336205
13512159 16F GTMXD BODY
L L K K
P490
J490
16M GTMXD RRDOOR 13540002
TE46 46. D-BU 0.8 BODY &06 TWP 7 50
TE46 115. L-BU 0.8 BODY &06 TWP 7 50
TC46 46. D-BU 0.8 RRDOOR &06/36 TWP 7 50
TC46 115. L-BU 0.8 RRDOOR &06/36 TWP 7 50
TC46 46. D-BU 0.8 RRDOOR &53 TWP 19 50
TC46 115. L-BU 0.8 RRDOOR &53 TWP 19 50
TC46 46. D-BU 0.8 RRDOOR &43 TWP 7 50
TC46 115. L-BU 0.8 RRDOOR &43 TWP 7 50
A
SPK (-)
AUX SPK
SPK (+)
B
Speaker-Aux Right D-Pillar
900_spk_aux_up 001
UPC FNA
12052832
A
SPK (-)
RR SPK
SPK (+)
B
Speaker-Rear Right Door
900_spk_rr_prm 001
UPC FNA
12064869

NOTES

- 1 – IF NEEDED, AUDIO CIRCUITS SHALL BE DOUBLED AT A CONNECTOR, NOT SPLICED.

ARE16404
003
GMT900
GM Proprietary

Monday, September 18, 2006
11:00:16 am 5
IEC/ESI

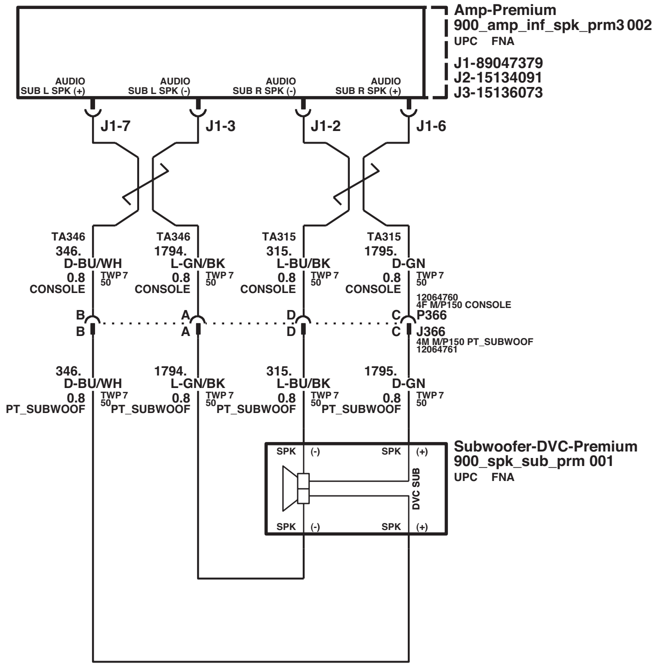
Infotainment and Telematics: Speakers Premium

IT02 Panel 3 of 4

&UQA-Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Speakers – Premium (Non-Luxury)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J2-15134091
J3-15136073
AUDIO SUB L SPK (+)
AUDIO SUB L SPK (-)
AUDIO SUB R SPK (-)
AUDIO SUB R SPK (+)
J1-7
J1-3
J1-2
J1-6
TA346
346.
D-BU/WH
0.8
TWP 7 50
CONSOLE
TA346
1794.
L-GN/BK
0.8
TWP 7 50
CONSOLE
TA315
315.
L-BU/BK
0.8
TWP 7 50
CONSOLE
TA315
1795.
D-GN
0.8
TWP 7 50
CONSOLE
12064760
4F M/P150 CONSOLE
P366
B A D C
B A D C
J366
4M M/P150 PT_SUBWOOF
12064761
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D-BU/WH
0.8
TWP 7 50
PT_SUBWOOF
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TWP 7 50
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L-BU/BK
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D-GN
0.8
TWP 7 50
Subwoofer-DVC-Premium
900_spk_sub_prm 001
UPC FNA
SPK (-)
SPK (+)
DVC SUB
SPK (-)
SPK (+)

ARE16404
003
GMT900
GM Proprietary

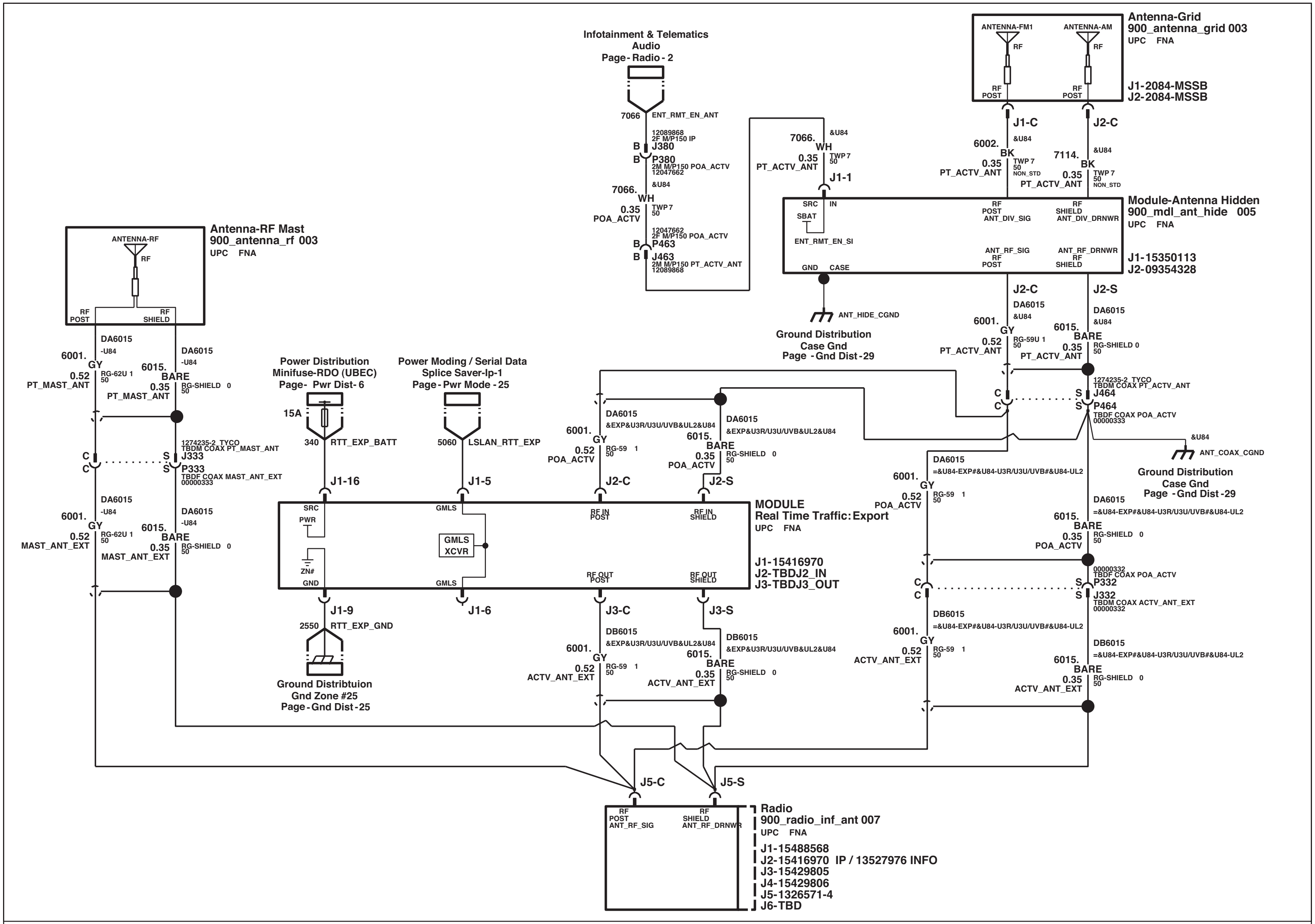
Monday, September 18, 2006
11:00:16 am 5
IEC/ESI

Infotainment and Telematics: Speakers Premium

IT02 Panel 4 of 4 &UQA-Y91

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Antenna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Page - Radio - 2
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B J380
B P380
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12047662
&U84
7066.
WH
0.35 TWP 7
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POA_ACTV
12047662
2F M/P150 POA_ACTV
B P463
B J463
2M M/P150 PT_ACTV_ANT
12089868
7066.
WH
&U84
0.35 TWP 7
50
PT_ACTV_ANT
J1-1
SRC IN
SBAT
ENT_RMT_EN_SI
GND CASE
ANT_HIDE_CGND
Ground Distribution
Case Gnd
Page - Gnd Dist - 29
Antenna-Grid
900_antenna_grid 003
UPC FNA
ANTENNA-FM1
ANTENNA-AM
RF
RF POST
J1-2084-MSSB
J2-2084-MSSB
J1-C
J2-C
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BK
&U84
0.35 TWP 7
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PT_ACTV_ANT
7114.
BK
&U84
Module-Antenna Hidden
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RF POST ANT_DIV_SIG
RF SHIELD ANT_DIV_DRNWR
ANT_RF_SIG RF POST
ANT_RF_DRNWR RF SHIELD
J1-15350113
J2-09354328
J2-C
J2-S
DA6015
&U84
6001.
GY
0.52 RG-59U 1
50
PT_ACTV_ANT
6015.
BARE
0.35 RG-SHIELD 0
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1274235-2 TYCO
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C S J464
C S P464
TBDF COAX POA_ACTV
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Ground Distribution
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ANTENNA-RF
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RF POST
RF SHIELD
DA6015
-U84
6001.
GY
0.52 RG-62U 1
50
PT_MAST_ANT
6015.
BARE
0.35 RG-SHIELD 0
50
PT_MAST_ANT
1274235-2 TYCO
TBDM COAX PT_MAST_ANT
C S J333
C S P333
TBDF COAX MAST_ANT_EXT
00000333
MAST_ANT_EXT
Power Distribution
Minifuse-RDO (UBEC)
Page - Pwr Dist - 6
15A
340 RTT_EXP_BATT
Power Moding / Serial Data
Splice Saver-Ip-1
Page - Pwr Mode - 25
5060 LSLAN_RTT_EXP
J1-16
J1-5
DA6015
&EXP&U3R/U3U/UVB&UL2&U84
6001.
GY
0.52 RG-59 1
50
POA_ACTV
6015.
BARE
0.35 RG-SHIELD 0
50
POA_ACTV
J2-C
J2-S
MODULE
Real Time Traffic: Export
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SRC
PWR
ZN#
GND
GMLS
GMLS XCVR
RF IN POST
RF IN SHIELD
RF OUT POST
RF OUT SHIELD
J1-15416970
J2-TBDJ2_IN
J3-TBDJ3_OUT
J1-9
J1-6
J3-C
J3-S
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Gnd Zone #25
Page - Gnd Dist - 25
DB6015
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ACTV_ANT_EXT
DA6015
=&U84-EXP#&U84-U3R/U3U/UVB#&U84-UL2
00000332
TBDF COAX POA_ACTV
C S P332
C S J332
TBDM COAX ACTV_ANT_EXT
00000332
DB6015
=&U84-EXP#&U84-U3R/U3U/UVB#&U84-UL2
J5-C
J5-S
Radio
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UPC FNA
RF POST ANT_RF_SIG
RF SHIELD ANT_RF_DRNWR
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-1326571-4
J6-TBD

ARE16395
004
GMT900
GM Proprietary

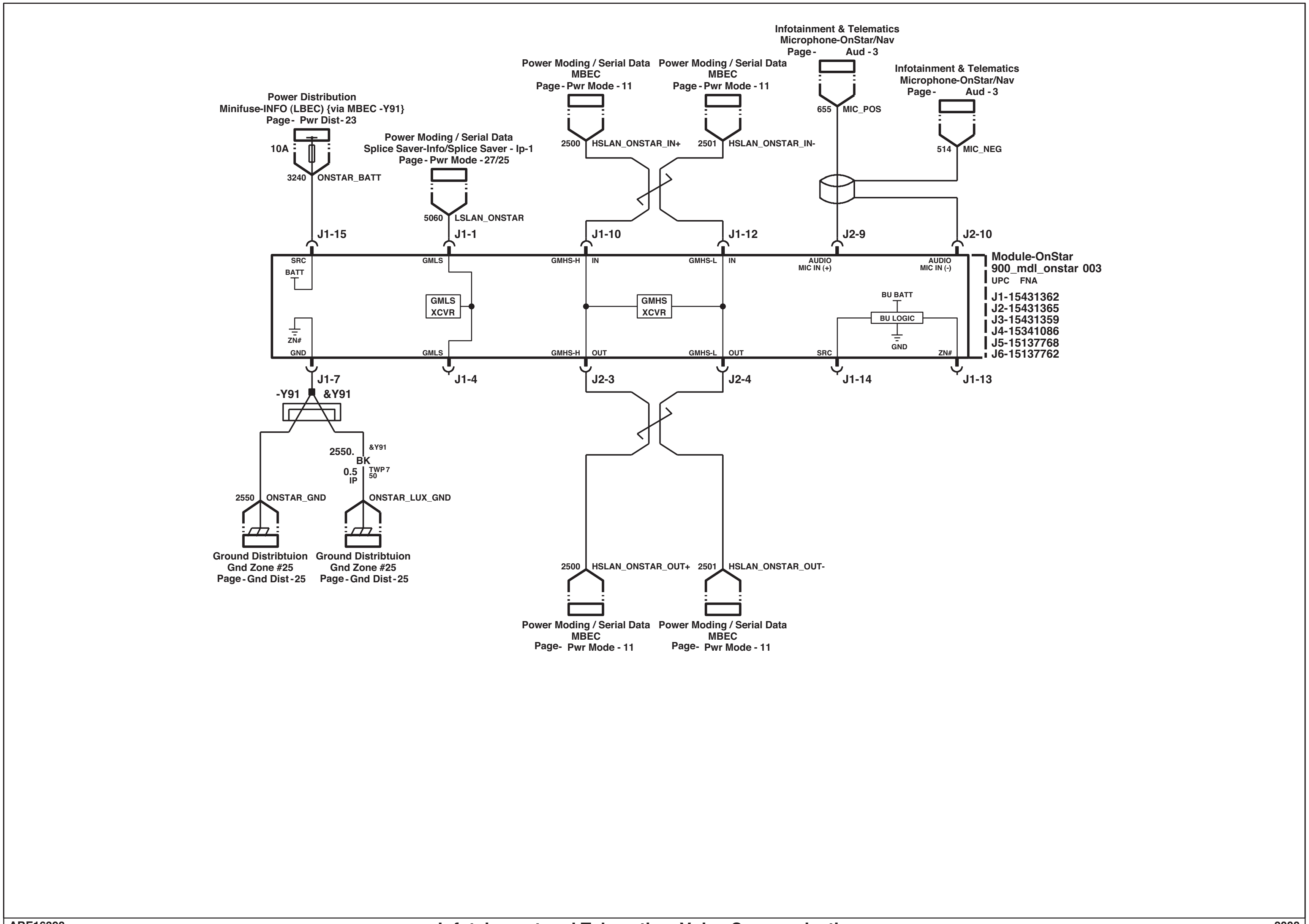
Monday, October 9, 2006
10:47:44 am 6
IEC/ESI

Infotainment and Telematics: Antenna AM/FM

IT03 Panel 1 of 1

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Voice Communication


Infotainment & Telematics
Microphone-OnStar/Nav
Page - Aud - 3
Power Moding / Serial Data
MBEC
Page - Pwr Mode - 11
Power Moding / Serial Data
MBEC
Page - Pwr Mode - 11
Infotainment & Telematics
Microphone-OnStar/Nav
Page - Aud - 3
Power Distribution
Minifuse-INFO (LBEC) {via MBEC -Y91}
Page - Pwr Dist - 23
Power Moding / Serial Data
Splice Saver-Info/Splice Saver - Ip-1
Page - Pwr Mode - 27/25
655 MIC_POS
2500 HSLAN_ONSTAR_IN+
2501 HSLAN_ONSTAR_IN-
514 MIC_NEG
10A
3240 ONSTAR_BATT
5060 LSLAN_ONSTAR
J1-15
J1-1
J1-10
J1-12
J2-9
J2-10
SRC
BATT
GMLS
GMHS-H IN
GMHS-L IN
AUDIO MIC IN (+)
AUDIO MIC IN (-)
GMLS XCVR
GMHS XCVR
BU BATT
BU LOGIC
GND
ZN#
GND
GMLS
GMHS-H OUT
GMHS-L OUT
SRC
ZN#
Module-OnStar
900_mdl_onstar 003
UPC FNA
J1-15431362
J2-15431365
J3-15431359
J4-15341086
J5-15137768
J6-15137762
J1-7
J1-4
J2-3
J2-4
J1-14
J1-13
-Y91
&Y91
2550.
&Y91
BK
0.5
IP
TWP 7
50
2550 ONSTAR_GND
ONSTAR_LUX_GND
Ground Distribtuion
Gnd Zone #25
Page - Gnd Dist - 25
Ground Distribtuion
Gnd Zone #25
Page - Gnd Dist - 25
2500 HSLAN_ONSTAR_OUT+
2501 HSLAN_ONSTAR_OUT-
Power Moding / Serial Data
MBEC
Page - Pwr Mode - 11
Power Moding / Serial Data
MBEC
Page - Pwr Mode - 11

ARE16398
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:39:41 am 5
IEC/ESI

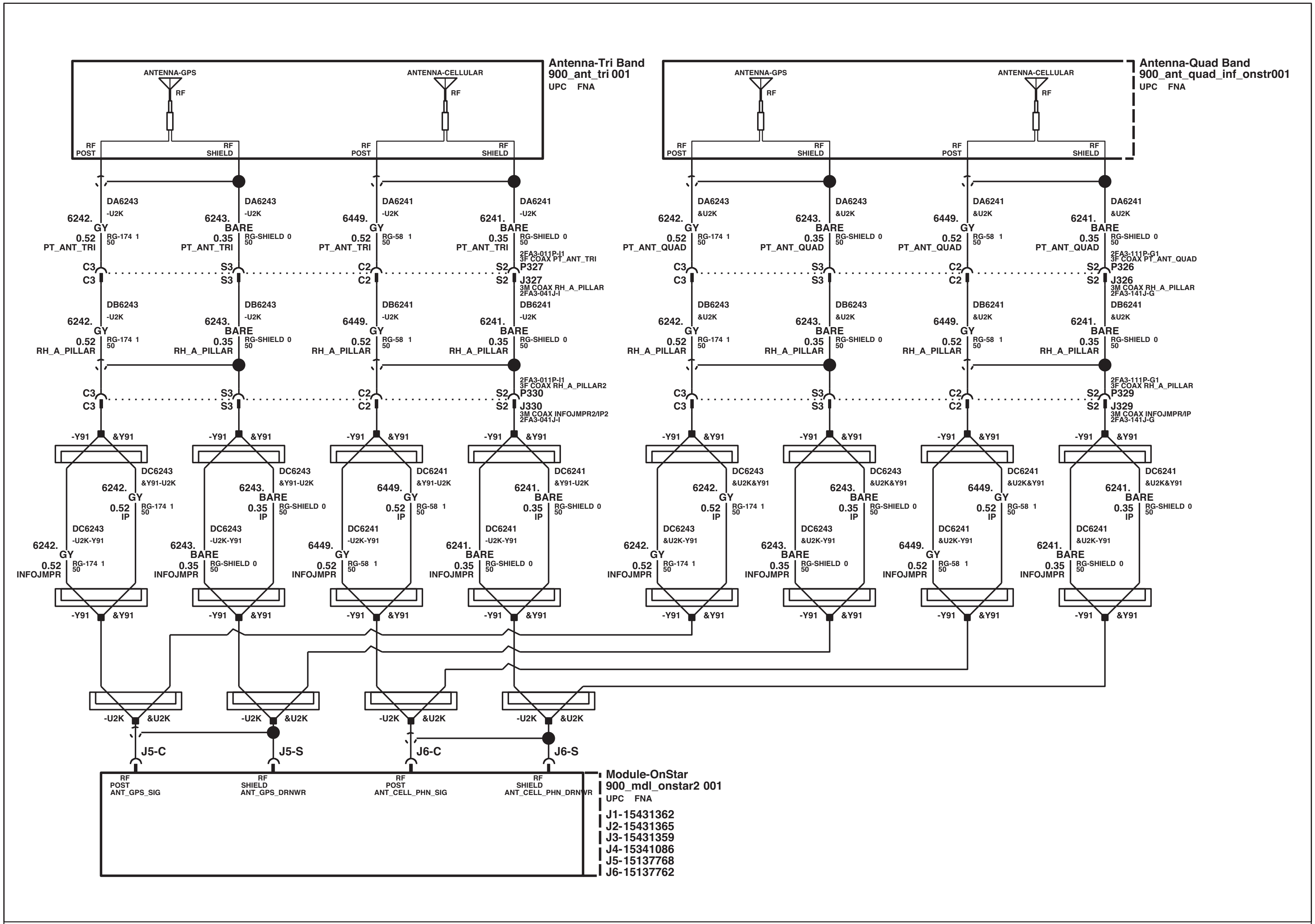
Infotainment and Telematics: Voice Communication

IT04 Panel 1 of 4

&UE1

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Voice Communication


Antenna-Tri Band
900_ant_tri 001
UPC FNA
ANTENNA-GPS
ANTENNA-CELLULAR
RF
RF POST
RF SHIELD
Antenna-Quad Band
900_ant_quad_inf_onstr001
UPC FNA
DA6243
DA6241
-U2K
&U2K
6242.
GY
0.52
RG-174 1 50
PT_ANT_TRI
6243.
BARE
0.35
RG-SHIELD 0 50
6449.
RG-58 1 50
6241.
PT_ANT_QUAD
2FA3-011P-I1
3F COAX PT_ANT_TRI
2FA3-111P-G1
3F COAX PT_ANT_QUAD
C3
S3
C2
S2
P327
J327
3M COAX RH_A_PILLAR
2FA3-041J-I
P326
J326
2FA3-141J-G
DB6243
DB6241
RH_A_PILLAR
2FA3-011P-I1
3F COAX RH_A_PILLAR2
P330
J330
3M COAX INFOJMPR2/IP2
2FA3-041J-I
2FA3-111P-G1
3F COAX RH_A_PILLAR
P329
J329
3M COAX INFOJMPR/IP
2FA3-141J-G
-Y91
&Y91
DC6243
DC6241
&Y91-U2K
&U2K&Y91
IP
-U2K-Y91
&U2K-Y91
INFOJMPR
-U2K
&U2K
J5-C
J5-S
J6-C
J6-S
RF POST ANT_GPS_SIG
RF SHIELD ANT_GPS_DRNWR
RF POST ANT_CELL_PHN_SIG
RF SHIELD ANT_CELL_PHN_DRNWR
Module-OnStar
900_mdl_onstar2 001
UPC FNA
J1-15431362
J2-15431365
J3-15431359
J4-15341086
J5-15137768
J6-15137762

ARE16398
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:39:41 am 5
IEC/ESI

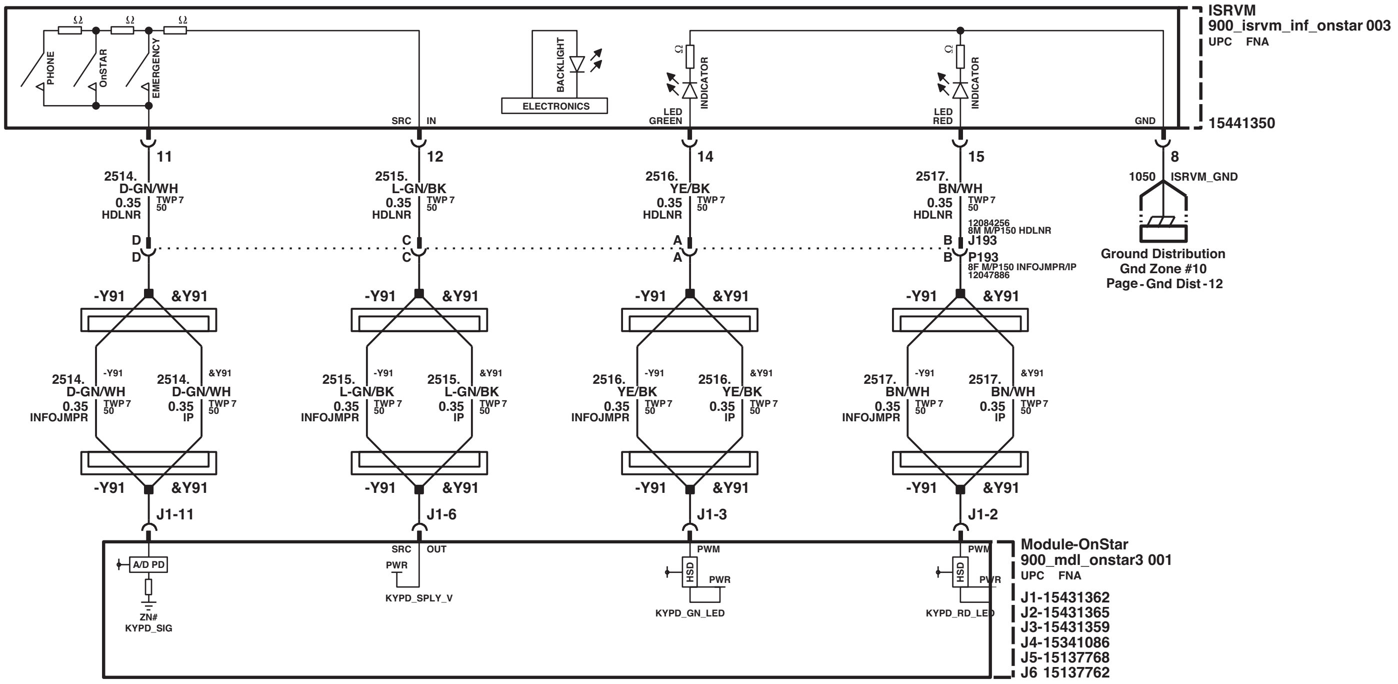
Infotainment and Telematics: Voice Communication

IT04 Panel 2 of 4

&UE1

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Voice Communication


ISRVM
900_isrvm_inf_onstar 003
UPC FNA
15441350
PHONE
OnSTAR
EMERGENCY
SRC IN
BACKLIGHT
ELECTRONICS
LED GREEN
INDICATOR
LED RED
INDICATOR
GND
11
2514.
D-GN/WH
0.35 HDLNR
TWP 7 50
12
2515.
L-GN/BK
0.35 HDLNR
TWP 7 50
14
2516.
YE/BK
0.35 HDLNR
TWP 7 50
15
2517.
BN/WH
0.35 HDLNR
TWP 7 50
12084256
8M M/P150 HDLNR
J193
P193
8F M/P150 INFOJMPR/IP
12047886
D
C
A
B
8
1050 ISRVM_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
-Y91
&Y91
2514. D-GN/WH 0.35 INFOJMPR TWP 7 50
2514. D-GN/WH 0.35 IP TWP 7 50
2515. L-GN/BK 0.35 INFOJMPR TWP 7 50
2515. L-GN/BK 0.35 IP TWP 7 50
2516. YE/BK 0.35 INFOJMPR TWP 7 50
2516. YE/BK 0.35 IP TWP 7 50
2517. BN/WH 0.35 INFOJMPR TWP 7 50
2517. BN/WH 0.35 IP TWP 7 50
J1-11
J1-6
J1-3
J1-2
A/D PD
ZN#
KYPD_SIG
SRC OUT
PWR
KYPD_SPLY_V
PWM
HSD
PWR
KYPD_GN_LED
PWM
HSD
PWR
KYPD_RD_LED
Module-OnStar
900_mdl_onstar3 001
UPC FNA
J1-15431362
J2-15431365
J3-15431359
J4-15341086
J5-15137768
J6 15137762

ARE16398
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:39:41 am 5
IEC/ESI

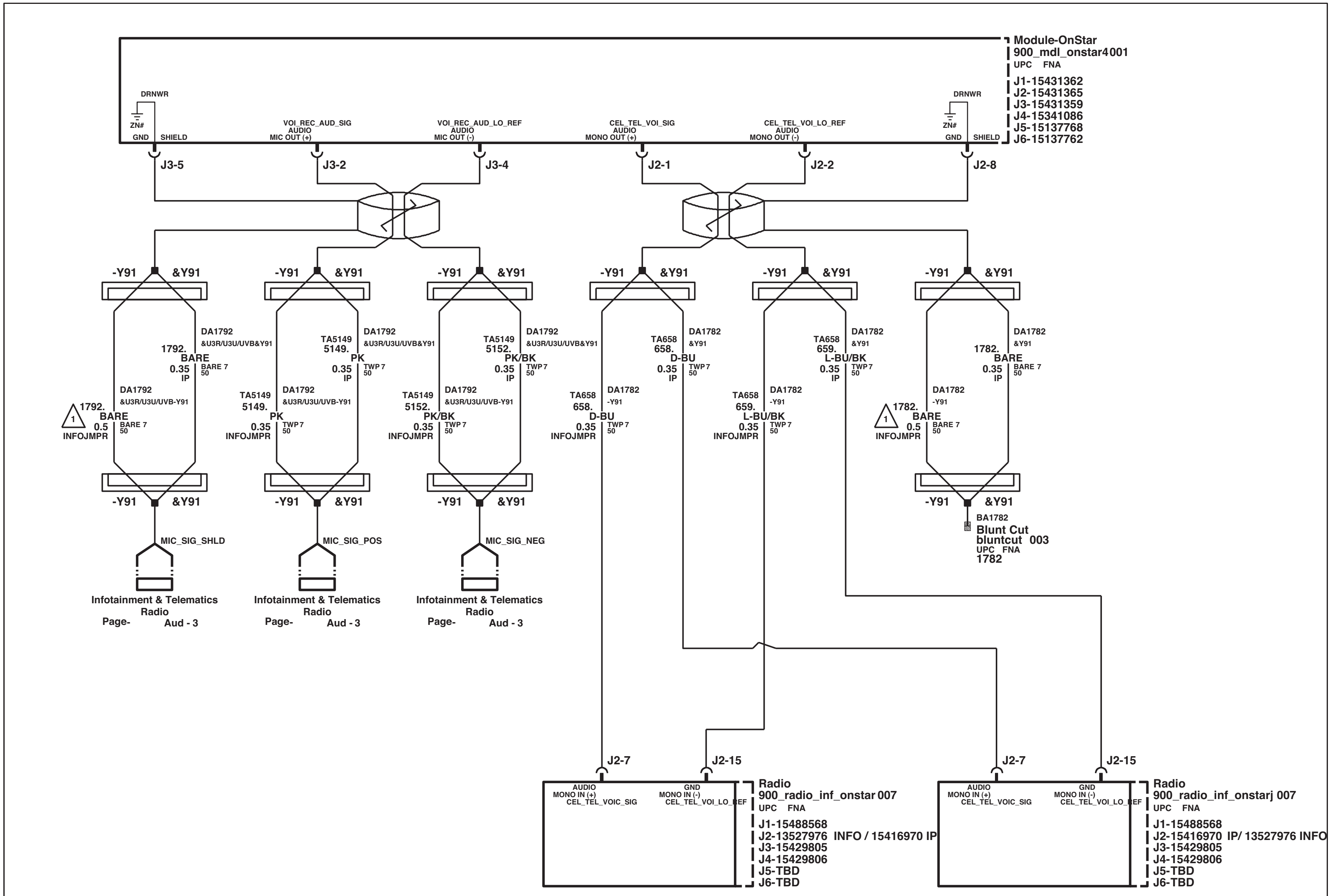
Infotainment and Telematics: Voice Communication

IT04 Panel 3 of 4

&UE1

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Voice Communication


Module-OnStar
900_mdl_onstar4001
UPC FNA
J1-15431362
J2-15431365
J3-15431359
J4-15341086
J5-15137768
J6-15137762
DRNWR
ZN#
GND SHIELD
VOI_REC_AUD_SIG
AUDIO
MIC OUT (+)
VOI_REC_AUD_LO_REF
AUDIO
MIC OUT (-)
CEL_TEL_VOI_SIG
AUDIO
MONO OUT (+)
CEL_TEL_VOI_LO_REF
AUDIO
MONO OUT (-)
J3-5
J3-2
J3-4
J2-1
J2-2
J2-8
-Y91
&Y91
DA1792
&U3R/U3U/UVB&Y91
1792.
BARE
0.35
IP
BARE 7
50
TA5149
5149.
PK
TWP 7
TA5149
5152.
PK/BK
TA658
658.
D-BU
DA1782
&Y91
TA658
659.
L-BU/BK
1782.
DA1792
&U3R/U3U/UVB-Y91
1
0.5
INFOJMPR
DA1782
-Y91
MIC_SIG_SHLD
MIC_SIG_POS
MIC_SIG_NEG
Infotainment & Telematics
Radio
Page- Aud - 3
BA1782
Blunt Cut
bluntcut 003
UPC FNA
1782
J2-7
J2-15
AUDIO
MONO IN (+)
CEL_TEL_VOIC_SIG
GND
MONO IN (-)
CEL_TEL_VOI_LO_REF
Radio
900_radio_inf_onstar 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4-15429806
J5-TBD
J6-TBD
Radio
900_radio_inf_onstarj 007
UPC FNA
J1-15488568
J2-15416970 IP/ 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD

NOTES

- 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16398
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:39:41 am 5
IEC/ESI

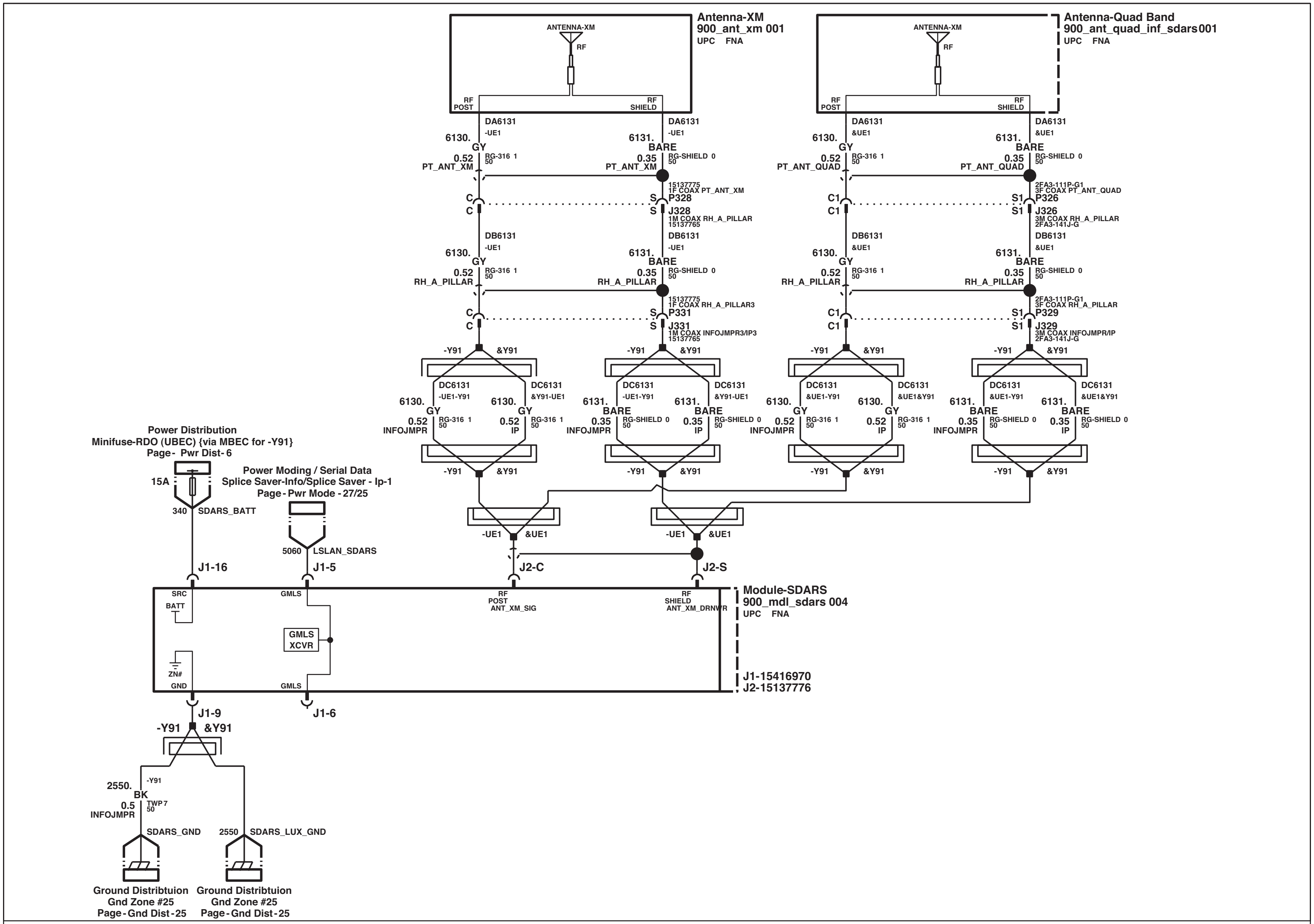
Infotainment and Telematics: Voice Communication

IT04 Panel 4 of 4

&UE1

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Satellite Audio Receiver


Antenna-XM
900_ant_xm 001
UPC FNA
ANTENNA-XM
RF
RF POST
RF SHIELD
Antenna-Quad Band
900_ant_quad_inf_sdars001
UPC FNA
DA6131
-UE1
&UE1
6130.
GY
0.52
RG-316 1
50
PT_ANT_XM
6131.
BARE
0.35
RG-SHIELD 0
PT_ANT_QUAD
15137775
1F COAX PT_ANT_XM
P328
J328
1M COAX RH_A_PILLAR
15137765
2FA3-111P-G1
3F COAX PT_ANT_QUAD
P326
J326
3M COAX RH_A_PILLAR
2FA3-141J-G
C
S
C1
S1
DB6131
RH_A_PILLAR
1F COAX RH_A_PILLAR3
P331
J331
1M COAX INFOJMPR3/IP3
3F COAX RH_A_PILLAR
P329
J329
3M COAX INFOJMPR/IP
-Y91
&Y91
DC6131
-UE1-Y91
&Y91-UE1
&UE1-Y91
&UE1&Y91
INFOJMPR
IP
-UE1
&UE1
Power Distribution
Minifuse-RDO (UBEC) {via MBEC for -Y91}
Page - Pwr Dist - 6
15A
340 SDARS_BATT
Power Moding / Serial Data
Splice Saver-Info/Splice Saver - Ip-1
Page - Pwr Mode - 27/25
5060 LSLAN_SDARS
J1-16
J1-5
J2-C
J2-S
SRC
BATT
GMLS
GMLS XCVR
ZN#
GND
RF POST ANT_XM_SIG
RF SHIELD ANT_XM_DRNWR
Module-SDARS
900_mdl_sdars 004
UPC FNA
J1-15416970
J2-15137776
J1-9
J1-6
-Y91 &Y91
2550.
-Y91
BK
0.5
TWP 7
50
INFOJMPR
SDARS_GND
2550 SDARS_LUX_GND
Ground Distribtuion
Gnd Zone #25
Page - Gnd Dist - 25
Ground Distribtuion
Gnd Zone #25
Page - Gnd Dist - 25

ARE16401
003
GMT900
GM Proprietary

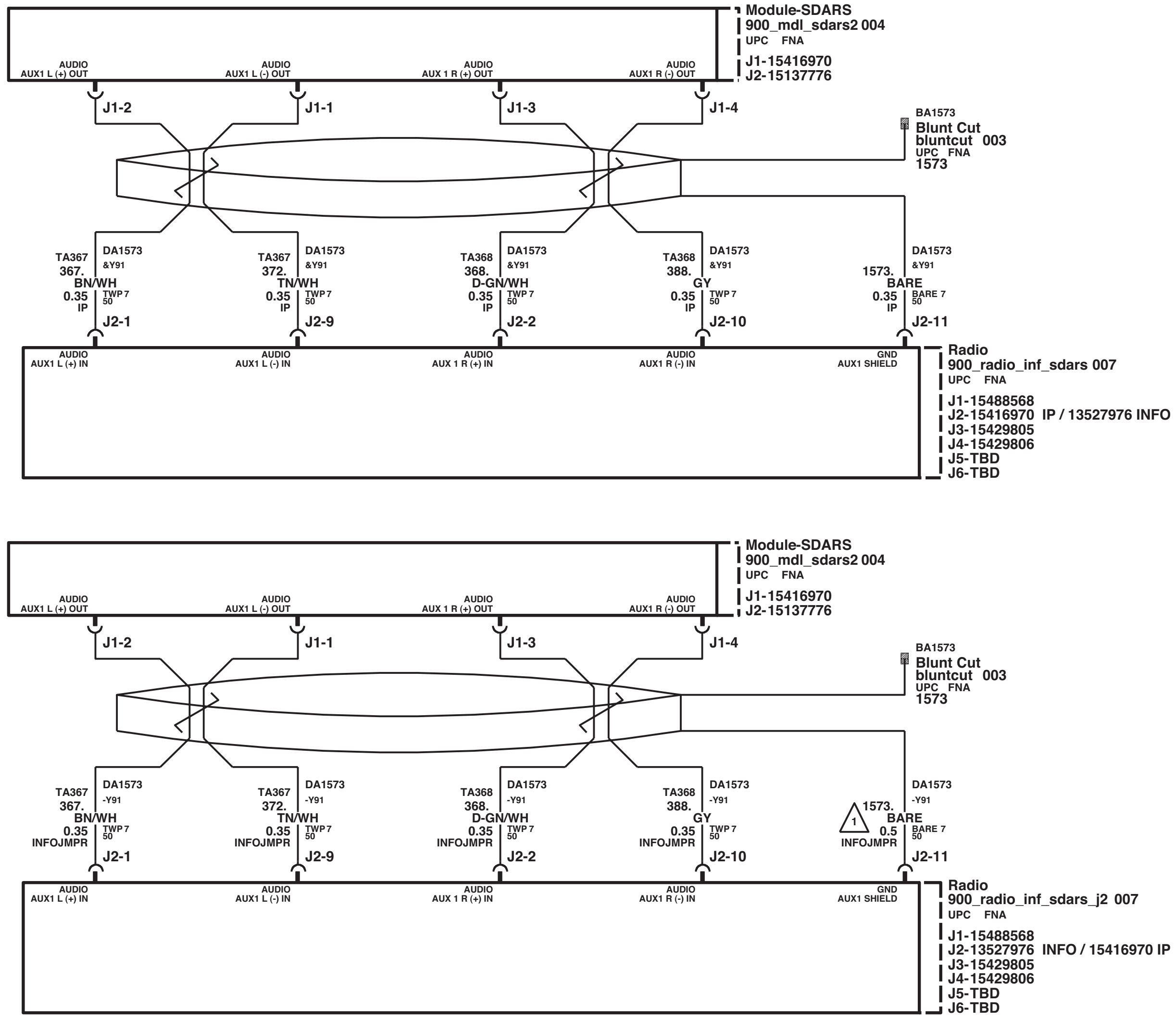
Tuesday, August 15, 2006
10:35:15 am 3
IEC/ESI

Infotainment and Telematics: Satellite Audio Receiver

IT05 Panel 1 of 2 &U2K

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Satellite Audio Receiver


Module-SDARS
900_mdl_sdars2 004
UPC FNA
J1-15416970
J2-15137776
AUDIO AUX1 L (+) OUT
AUDIO AUX1 L (-) OUT
AUDIO AUX 1 R (+) OUT
AUDIO AUX1 R (-) OUT
J1-2
J1-1
J1-3
J1-4
BA1573
Blunt Cut
bluntcut 003
UPC FNA
1573
TA367 367. BN/WH 0.35 IP
DA1573 &Y91 TWP 7 50
J2-1
TA367 372. TN/WH 0.35 IP
DA1573 &Y91 TWP 7 50
J2-9
TA368 368. D-GN/WH 0.35 IP
DA1573 &Y91 TWP 7 50
J2-2
TA368 388. GY 0.35 IP
DA1573 &Y91 TWP 7 50
J2-10
1573. BARE 0.35 IP
DA1573 &Y91 BARE 7 50
J2-11
AUDIO AUX1 L (+) IN
AUDIO AUX1 L (-) IN
AUDIO AUX 1 R (+) IN
AUDIO AUX1 R (-) IN
GND AUX1 SHIELD
Radio
900_radio_inf_sdars 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
Module-SDARS
900_mdl_sdars2 004
UPC FNA
J1-15416970
J2-15137776
AUDIO AUX1 L (+) OUT
AUDIO AUX1 L (-) OUT
AUDIO AUX 1 R (+) OUT
AUDIO AUX1 R (-) OUT
J1-2
J1-1
J1-3
J1-4
BA1573
Blunt Cut
bluntcut 003
UPC FNA
1573
TA367 367. BN/WH 0.35 INFOJMPR
DA1573 -Y91 TWP 7 50
J2-1
TA367 372. TN/WH 0.35 INFOJMPR
DA1573 -Y91 TWP 7 50
J2-9
TA368 368. D-GN/WH 0.35 INFOJMPR
DA1573 -Y91 TWP 7 50
J2-2
TA368 388. GY 0.35 INFOJMPR
DA1573 -Y91 TWP 7 50
J2-10
1
1573. BARE 0.5 INFOJMPR
DA1573 -Y91 BARE 7 50
J2-11
AUDIO AUX1 L (+) IN
AUDIO AUX1 L (-) IN
AUDIO AUX 1 R (+) IN
AUDIO AUX1 R (-) IN
GND AUX1 SHIELD
Radio
900_radio_inf_sdars_j2 007
UPC FNA
J1-15488568
J2-13527976 INFO / 15416970 IP
J3-15429805
J4-15429806
J5-TBD
J6-TBD

NOTES

- 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16401
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
10:35:15 am 3
IEC/ESI

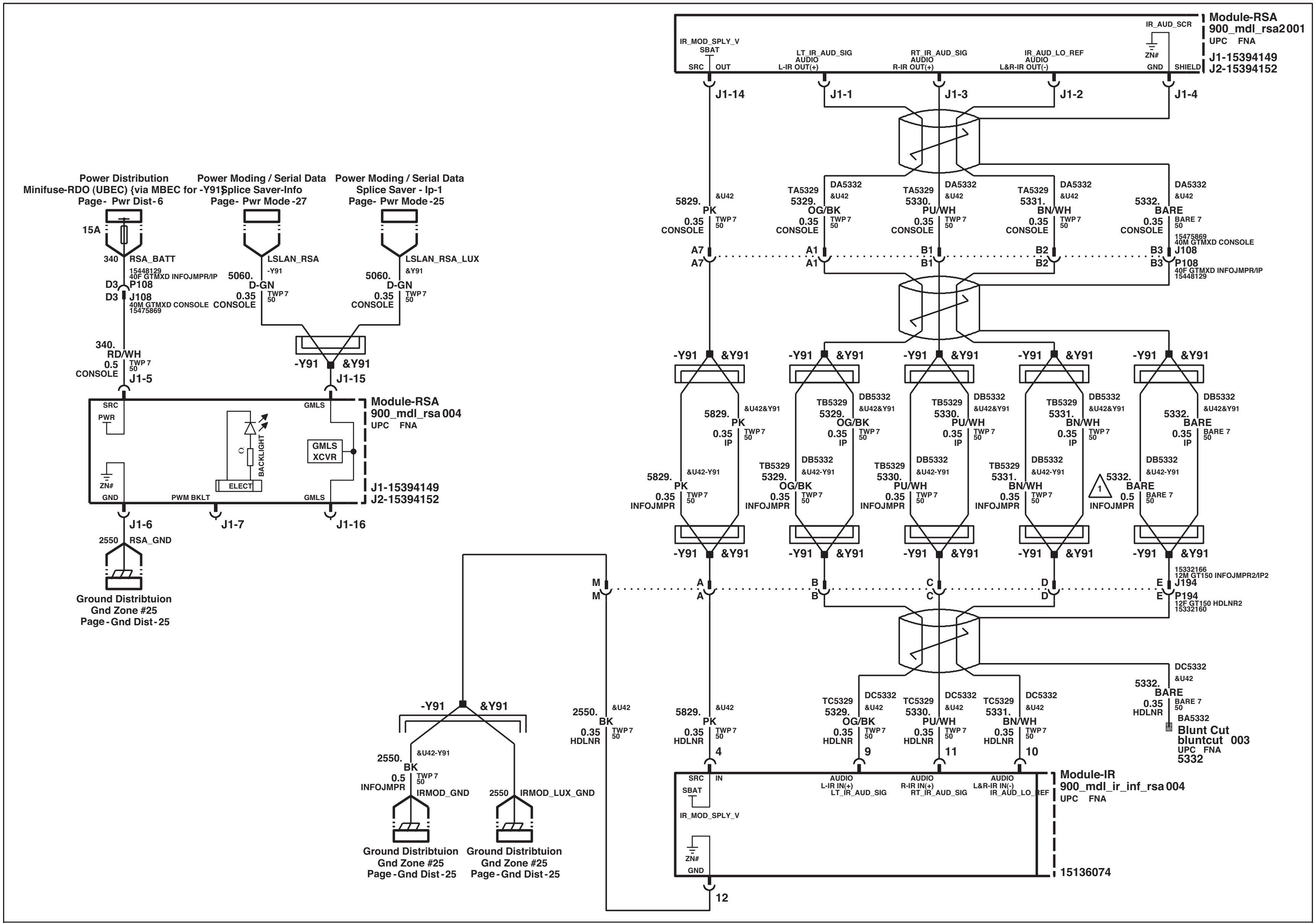
Infotainment and Telematics: Satellite Audio Receiver

IT05 Panel 2 of 2

&U2K

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Audio


Module-RSA
900_mdl_rsa2001
UPC FNA
J1-15394149
J2-15394152
IR_MOD_SPLY_V
SBAT
SRC OUT
LT_IR_AUD_SIG
AUDIO
L-IR OUT(+)
RT_IR_AUD_SIG
AUDIO
R-IR OUT(+)
IR_AUD_LO_REF
AUDIO
L&R-IR OUT(-)
IR_AUD_SCR
ZN#
GND SHIELD
J1-14
J1-1
J1-3
J1-2
J1-4
5829. PK 0.35 CONSOLE &U42 TWP 7 50
TA5329 5329. OG/BK 0.35 CONSOLE DA5332 &U42 TWP 7 50
TA5329 5330. PU/WH 0.35 CONSOLE DA5332 &U42 TWP 7 50
TA5329 5331. BN/WH 0.35 CONSOLE DA5332 &U42 TWP 7 50
5332. BARE 0.35 CONSOLE DA5332 &U42 BARE 7 50
A7 A1 B1 B2 B3
15475869 40M GTMXD CONSOLE J108
P108 40F GTMXD INFOJMPR/IP 15448129
-Y91 &Y91
5829. PK 0.35 IP &U42&Y91 TWP 7 50
TB5329 5329. OG/BK 0.35 IP DB5332 &U42&Y91 TWP 7 50
TB5329 5330. PU/WH 0.35 IP DB5332 &U42&Y91 TWP 7 50
TB5329 5331. BN/WH 0.35 IP DB5332 &U42&Y91 TWP 7 50
5332. BARE 0.35 IP DB5332 &U42&Y91 BARE 7 50
5829. PK 0.35 INFOJMPR &U42-Y91 TWP 7 50
TB5329 5329. OG/BK 0.35 INFOJMPR DB5332 &U42-Y91 TWP 7 50
TB5329 5330. PU/WH 0.35 INFOJMPR DB5332 &U42-Y91 TWP 7 50
TB5329 5331. BN/WH 0.35 INFOJMPR DB5332 &U42-Y91 TWP 7 50
1 5332. BARE 0.5 INFOJMPR DB5332 &U42-Y91 BARE 7 50
15332166 12M GT150 INFOJMPR2/IP2 J194
P194 12F GT150 HDLNR2 15332160
M A B C D E
Power Distribution
Minifuse-RDO (UBEC) {via MBEC for -Y91}
Page- Pwr Dist-6
15A
340 RSA_BATT
15448129 40F GTMXD INFOJMPR/IP
D3 P108
D3 J108 40M GTMXD CONSOLE 15475869
340. RD/WH 0.5 CONSOLE TWP 7 50
J1-5
Power Moding / Serial Data
Splice Saver-Info
Page- Pwr Mode-27
LSLAN_RSA -Y91
5060. D-GN 0.35 CONSOLE TWP 7 50
Power Moding / Serial Data
Splice Saver - Ip-1
Page- Pwr Mode-25
LSLAN_RSA_LUX &Y91
5060. D-GN 0.35 CONSOLE TWP 7 50
-Y91 &Y91
J1-15
Module-RSA
900_mdl_rsa 004
UPC FNA
SRC PWR
GMLS
GMLS XCVR
BACKLIGHT
ELECT
ZN#
GND PWM BKLT GMLS
J1-15394149
J2-15394152
J1-6 J1-7 J1-16
2550 RSA_GND
Ground Distribtuion
Gnd Zone #25
Page-Gnd Dist-25
-Y91 &Y91
2550. BK 0.5 INFOJMPR &U42-Y91 TWP 7 50
IRMOD_GND
2550 IRMOD_LUX_GND
Ground Distribtuion
Gnd Zone #25
Page-Gnd Dist-25
Ground Distribtuion
Gnd Zone #25
Page-Gnd Dist-25
2550. BK 0.35 HDLNR &U42 TWP 7 50
5829. PK 0.35 HDLNR &U42 TWP 7 50
TC5329 5329. OG/BK 0.35 HDLNR DC5332 &U42 TWP 7 50
TC5329 5330. PU/WH 0.35 HDLNR DC5332 &U42 TWP 7 50
TC5329 5331. BN/WH 0.35 HDLNR DC5332 &U42 TWP 7 50
DC5332 5332. BARE 0.35 HDLNR &U42 BARE 7 50
BA5332
Blunt Cut
bluntcut 003
UPC FNA
5332
4 9 11 10
Module-IR
900_mdl_ir_inf_rsa 004
UPC FNA
SRC IN
SBAT
IR_MOD_SPLY_V
AUDIO L-IR IN(+) LT_IR_AUD_SIG
AUDIO R-IR IN(+) RT_IR_AUD_SIG
AUDIO L&R-IR IN(-) IR_AUD_LO_REF
ZN#
GND
15136074
12

ARE16399
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
10:32:20 am 3
IEC/ESI

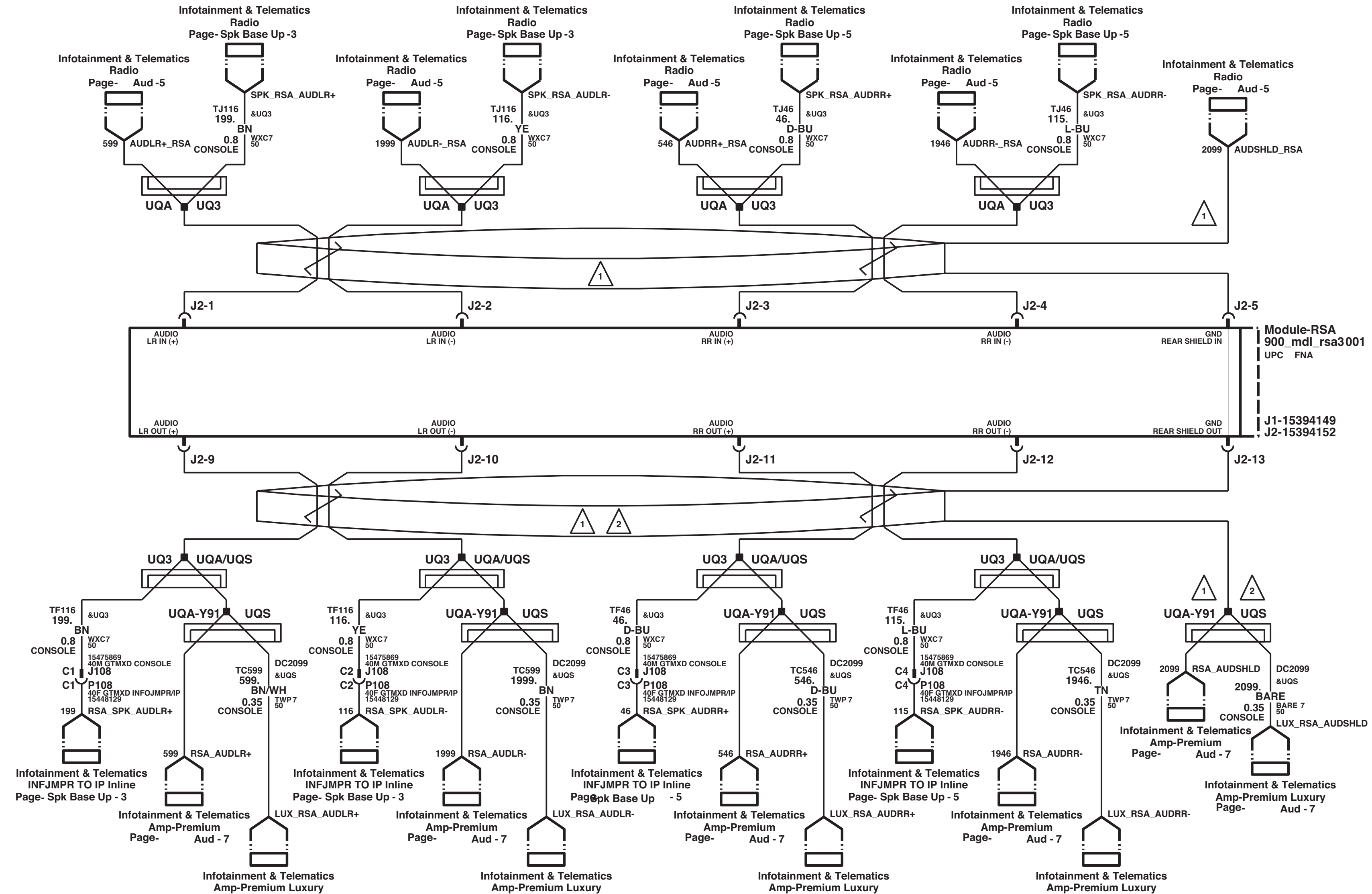
Infotainment and Telematics: Rear Seat Audio

IT06 Panel 1 of 2

&UK6

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Audio


Infotainment & Telematics
Radio
Page- Spk Base Up -3
Infotainment & Telematics
Radio
Page- Aud -5
SPK_RSA_AUDLR+
TJ116
199.
BN
0.8
CONSOLE
&UQ3
WXC7
50
599
AUDLR+_RSA
SPK_RSA_AUDLR-
TJ116
116.
YE
1999
AUDLR-_RSA
Infotainment & Telematics
Radio
Page- Spk Base Up -5
SPK_RSA_AUDRR+
TJ46
46.
D-BU
546
AUDRR+_RSA
SPK_RSA_AUDRR-
TJ46
115.
L-BU
1946
AUDRR-_RSA
2099
AUDSHLD_RSA
UQA
UQ3
1
J2-1
J2-2
J2-3
J2-4
J2-5
AUDIO LR IN (+)
AUDIO LR IN (-)
AUDIO RR IN (+)
AUDIO RR IN (-)
GND REAR SHIELD IN
Module-RSA
900_mdl_rsa3001
UPC FNA
AUDIO LR OUT (+)
AUDIO LR OUT (-)
AUDIO RR OUT (+)
AUDIO RR OUT (-)
GND REAR SHIELD OUT
J1-15394149
J2-15394152
J2-9
J2-10
J2-11
J2-12
J2-13
2
UQ3
UQA/UQS
UQA-Y91
UQS
TF116
199.
BN
0.8
CONSOLE
15475869
40M GTMXD CONSOLE
C1 J108
C1 P108
40F GTMXD INFOJMPR/IP
15448129
199 RSA_SPK_AUDLR+
TC599
599.
BN/WH
0.35
CONSOLE
TWP 7
50
DC2099
&UQS
599 RSA_AUDLR+
LUX_RSA_AUDLR+
Infotainment & Telematics
INFJMPR TO IP Inline
Page- Spk Base Up - 3
Infotainment & Telematics
Amp-Premium
Page- Aud - 7
Infotainment & Telematics
Amp-Premium Luxury
Page- Aud - 7
TF116
116.
YE
C2 J108
C2 P108
116 RSA_SPK_AUDLR-
TC599
1999.
BN
1999 RSA_AUDLR-
LUX_RSA_AUDLR-
TF46
46.
D-BU
C3 J108
C3 P108
46 RSA_SPK_AUDRR+
TC546
546.
D-BU
546 RSA_AUDRR+
LUX_RSA_AUDRR+
Page Spk Base Up - 5
TF46
115.
L-BU
C4 J108
C4 P108
115 RSA_SPK_AUDRR-
TC546
1946.
TN
1946 RSA_AUDRR-
LUX_RSA_AUDRR-
2099 RSA_AUDSHLD
DC2099
&UQS
2099.
BARE
0.35
CONSOLE
BARE 7
50
LUX_RSA_AUDSHLD
Infotainment & Telematics
Amp-Premium Luxury
Page- Aud - 7

NOTES
- 1 – DENALI DOES NOT HAVE THIS SHIELD.
- 2 – WITH LOW LEVEL AUDIO, RSA TO AMPLIFIER REAR AUDIO WIRING FOR ALL BUT DENALI.

NOTES
- 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16399
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
10:32:20 am 3
IEC/ESI

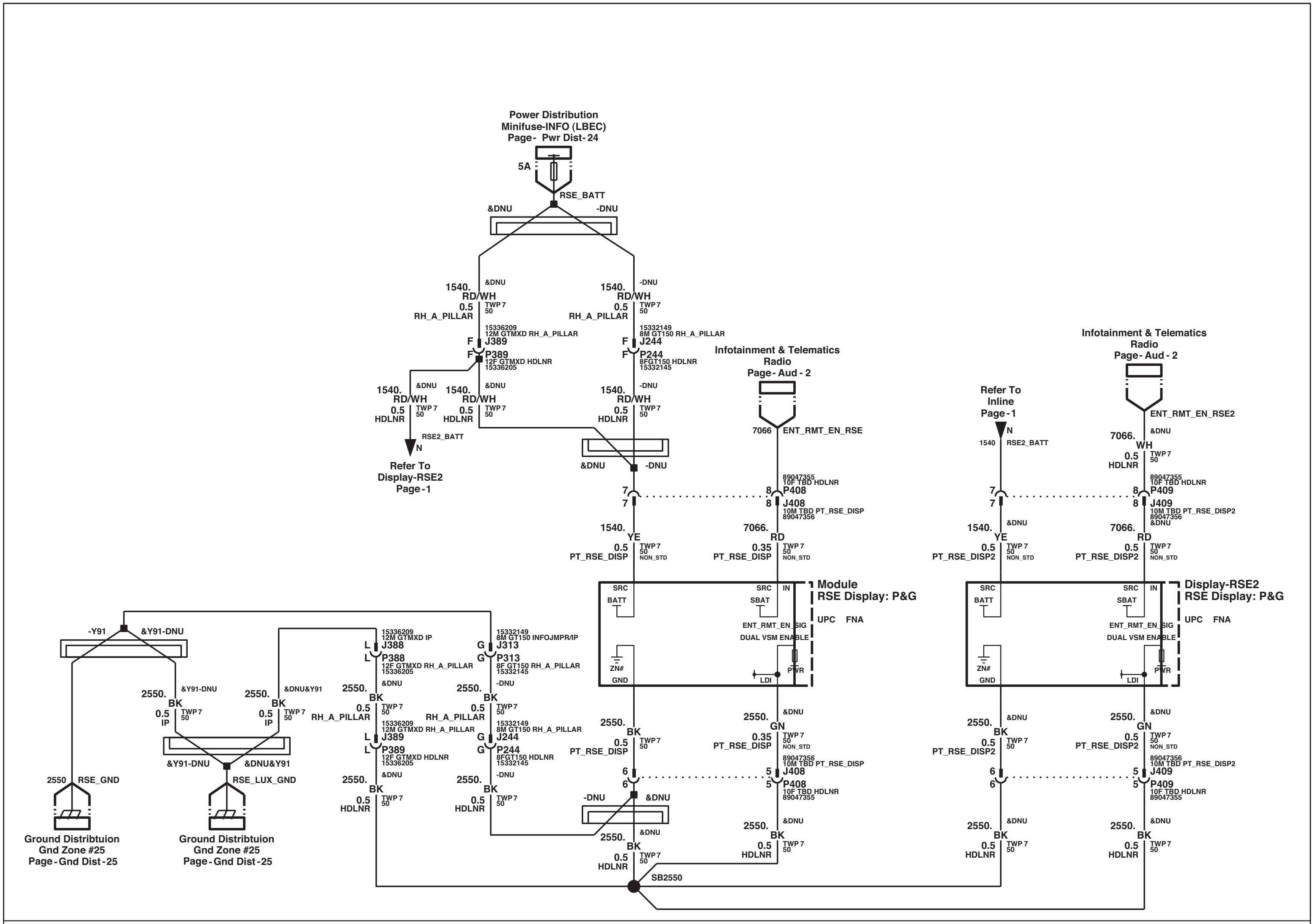
Infotainment and Telematics: Rear Seat Audio

IT06 Panel 2 of 2

&UK6

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Entertainment


Power Distribution
Minifuse-INFO (LBEC)
Page- Pwr Dist-24
5A
RSE_BATT
&DNU
-DNU
1540.
RD/WH
0.5
RH_A_PILLAR
TWP7
50
15336209
12M GTMXD RH_A_PILLAR
J389
P389
12F GTMXD HDLNR
15336205
15332149
8M GT150 RH_A_PILLAR
J244
P244
8FGT150 HDLNR
15332145
HDLNR
RSE2_BATT
N
Refer To
Display-RSE2
Page-1
Infotainment & Telematics
Radio
Page- Aud - 2
7066
ENT_RMT_EN_RSE
89047355
10F TBD HDLNR
P408
J408
10M TBD PT_RSE_DISP
89047356
1540.
YE
0.5
PT_RSE_DISP
NON_STD
7066.
RD
0.35
Refer To
Inline
Page-1
1540
RSE2_BATT
ENT_RMT_EN_RSE2
7066.
WH
P409
J409
10M TBD PT_RSE_DISP2
PT_RSE_DISP2
Module
RSE Display: P&G
Display-RSE2
RSE Display: P&G
UPC FNA
SRC
BATT
SRC
SBAT
IN
ENT_RMT_EN_SIG
DUAL VSM ENABLE
PWR
ZN#
GND
LDI
-Y91
&Y91-DNU
&DNU&Y91
&Y91-DNU
2550.
BK
0.5
IP
15336209
12M GTMXD IP
J388
P388
12F GTMXD RH_A_PILLAR
15336205
15332149
8M GT150 INFOJMPR/IP
J313
P313
8F GT150 RH_A_PILLAR
15332145
RH_A_PILLAR
2550
RSE_GND
RSE_LUX_GND
Ground Distribtuion
Gnd Zone #25
Page-Gnd Dist-25
2550.
GN
10F TBD HDLNR
SB2550

ARE16400
003
GMT900
GM Proprietary
Thursday, September 7, 2006
6:57:35 am 5
IEC/ESI

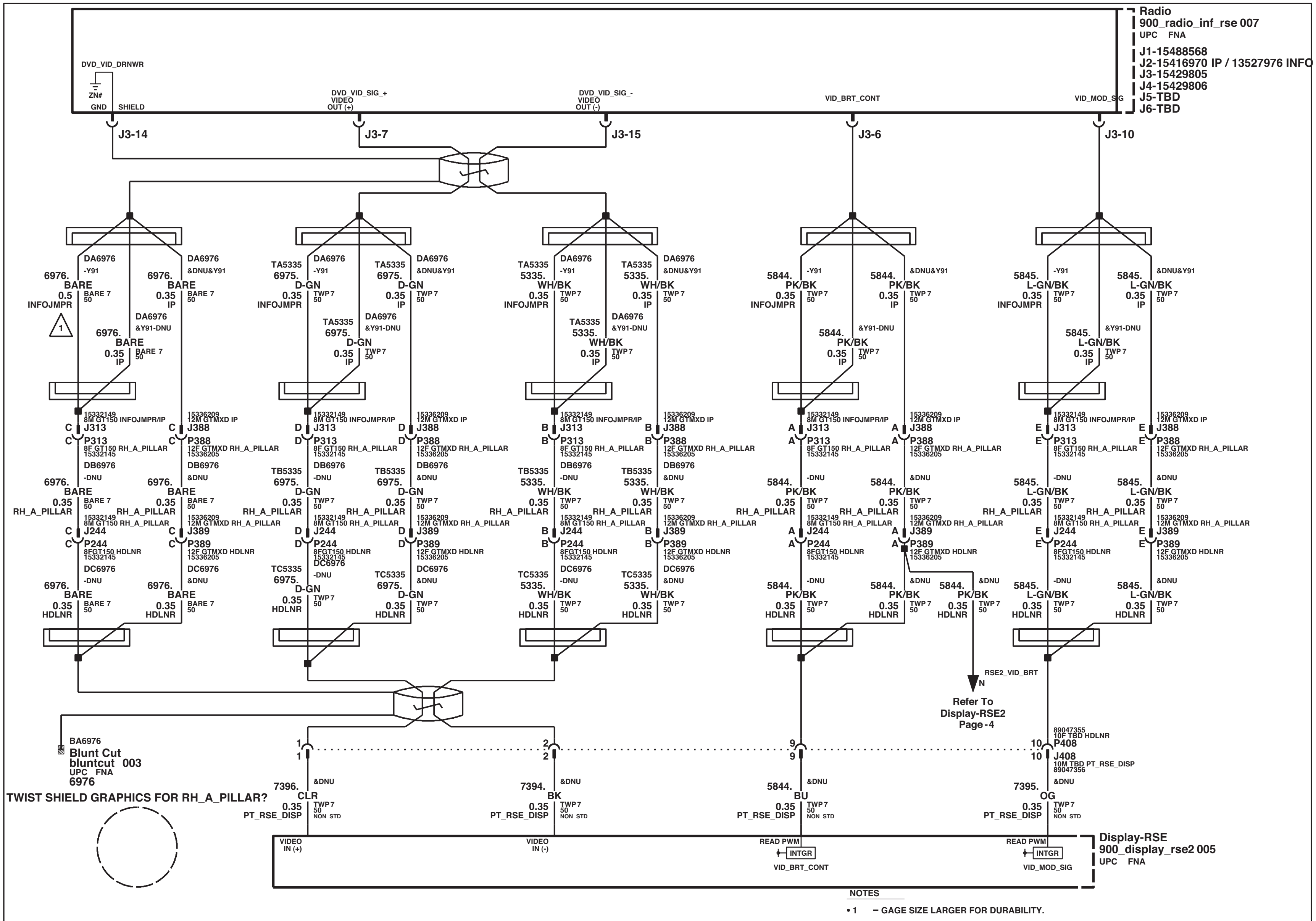
Infotainment and Telematics: Rear Seat Entertainment

IT07 Panel 1 of 5

&U42

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Entertainment


Radio
900_radio_inf_rse 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
DVD_VID_DRNWR
ZN#
GND
SHIELD
DVD_VID_SIG_+
VIDEO OUT (+)
DVD_VID_SIG_-
VIDEO OUT (-)
VID_BRT_CONT
VID_MOD_SIG
J3-14
J3-7
J3-15
J3-6
J3-10
DA6976
-Y91
&DNU&Y91
&Y91-DNU
6976. BARE
0.5 BARE 7 50 INFOJMPR
0.35 BARE 7 50 IP
1
TA5335
5335. WH/BK
6975. D-GN
0.35 TWP 7 50 INFOJMPR
0.35 TWP 7 50 IP
5844. PK/BK
5845. L-GN/BK
15332149 8M GT150 INFOJMPR/IP
15336209 12M GTMXD IP
J313
J388
P313 8F GT150 RH_A_PILLAR 15332145
P388 12F GTMXD RH_A_PILLAR 15336205
DB6976
TB5335
-DNU
&DNU
RH_A_PILLAR
15332149 8M GT150 RH_A_PILLAR
15336209 12M GTMXD RH_A_PILLAR
J244
J389
P244 8FGT150 HDLNR 15332145
P389 12F GTMXD HDLNR 15336205
DC6976
TC5335
HDLNR
C
D
B
A
E
RSE2_VID_BRT
N
Refer To Display-RSE2 Page - 4
BA6976
Blunt Cut
bluntcut 003
UPC FNA
6976
TWIST SHIELD GRAPHICS FOR RH_A_PILLAR?
89047355 10F TBD HDLNR
P408
J408
10M TBD PT_RSE_DISP 89047356
1
2
9
10
7396. CLR
7394. BK
5844. BU
7395. OG
0.35 TWP 7 50 NON_STD PT_RSE_DISP
VIDEO IN (+)
VIDEO IN (-)
READ PWM
INTGR
VID_BRT_CONT
VID_MOD_SIG
Display-RSE
900_display_rse2 005
UPC FNA
NOTES
• 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16400
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:57:35 am 5
IEC/ESI

Infotainment and Telematics: Rear Seat Entertainment

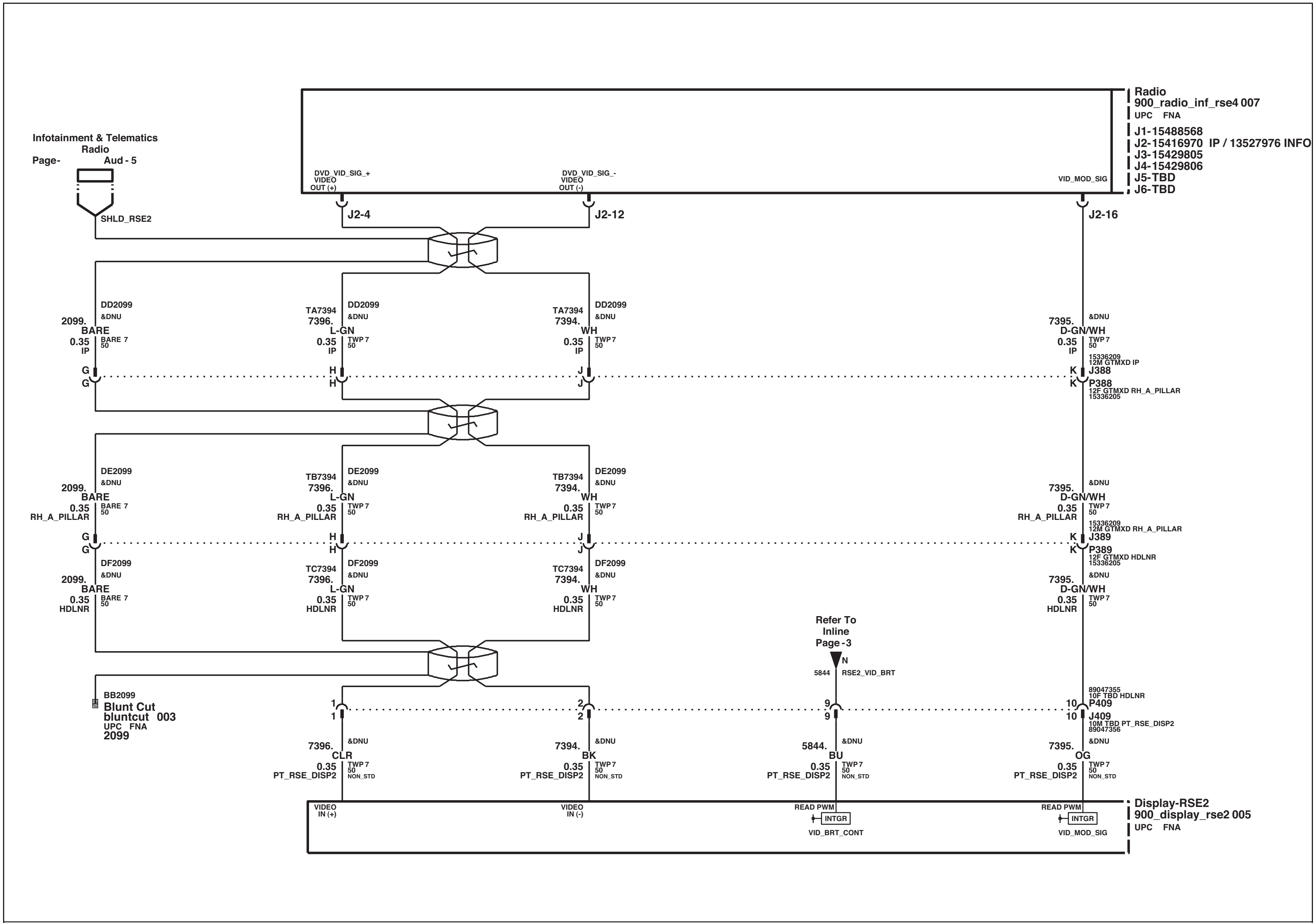
IT07 Panel 2 of 5

&U42

2008
GMT900
MVBS

System Status: Object Status:

Infotainment and Telematics: Rear Seat Entertainment


Radio
900_radio_inf_rse4 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
Infotainment & Telematics
Radio
Page- Aud - 5
SHLD_RSE2
DVD_VID_SIG_+
VIDEO
OUT (+)
DVD_VID_SIG_-
VIDEO
OUT (-)
VID_MOD_SIG
J2-4
J2-12
J2-16
DD2099
&DNU
2099.
BARE
0.35
IP
BARE 7
50
TA7394
7396.
L-GN
TWP 7
50
TA7394
7394.
WH
7395.
D-GN/WH
15336209
12M GTMXD IP
G
H
J
K
J388
P388
12F GTMXD RH_A_PILLAR
15336205
DE2099
TB7394
RH_A_PILLAR
15336209
12M GTMXD RH_A_PILLAR
J389
P389
12F GTMXD HDLNR
15336205
DF2099
TC7394
HDLNR
Refer To
Inline
Page - 3
N
5844
RSE2_VID_BRT
BB2099
Blunt Cut
bluntcut 003
UPC FNA
2099
1
2
9
10
89047355
10F TBD HDLNR
P409
J409
10M TBD PT_RSE_DISP2
89047356
7396.
CLR
7394.
BK
5844.
BU
7395.
OG
0.35
PT_RSE_DISP2
TWP 7
50
NON_STD
VIDEO
IN (+)
VIDEO
IN (-)
READ PWM
INTGR
VID_BRT_CONT
VID_MOD_SIG
Display-RSE2
900_display_rse2 005
UPC FNA

ARE16400
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:57:35 am 5
IEC/ESI

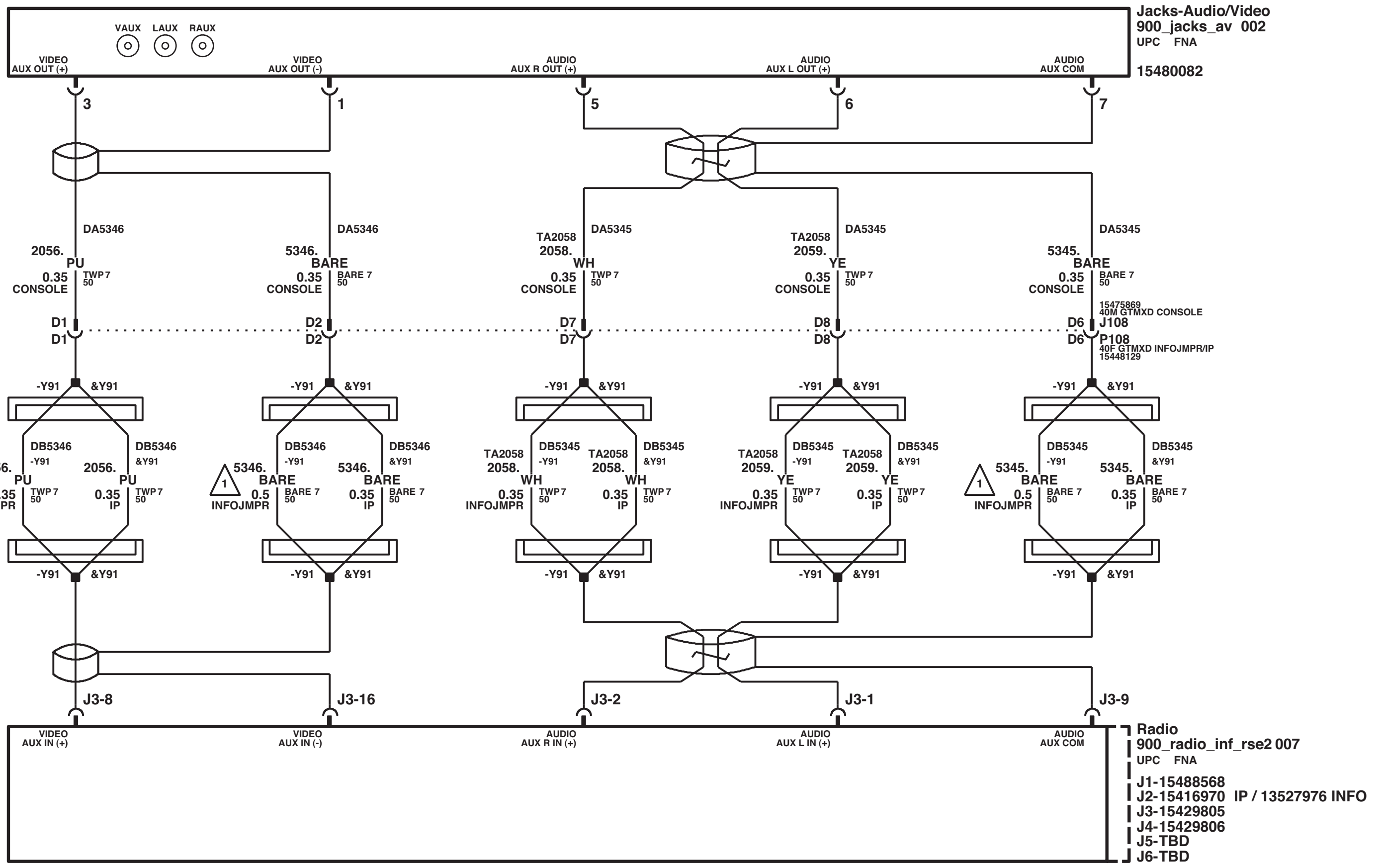
Infotainment and Telematics: Rear Seat Entertainment

IT07 Panel 3 of 5

&U42

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Entertainment


Jacks-Audio/Video
900_jacks_av 002
UPC FNA
15480082
VAUX LAUX RAUX
VIDEO AUX OUT (+)
VIDEO AUX OUT (-)
AUDIO AUX R OUT (+)
AUDIO AUX L OUT (+)
AUDIO AUX COM
3
1
5
6
7
DA5346
2056.
PU
0.35
CONSOLE
TWP 7 50
DA5346
5346.
BARE
0.35
CONSOLE
BARE 7 50
TA2058
DA5345
2058.
WH
0.35
CONSOLE
TWP 7 50
TA2058
DA5345
2059.
YE
0.35
CONSOLE
TWP 7 50
DA5345
5345.
BARE
0.35
CONSOLE
BARE 7 50
15475869
40M GTMXD CONSOLE
J108
P108
40F GTMXD INFOJMPR/IP
15448129
D1
D2
D7
D8
D6
-Y91
&Y91
DB5346
2056.
PU
0.35
INFOJMPR
IP
5346.
BARE
0.5
1
DB5345
TA2058
2058.
WH
2059.
YE
5345.
J3-8
J3-16
J3-2
J3-1
J3-9
VIDEO AUX IN (+)
VIDEO AUX IN (-)
AUDIO AUX R IN (+)
AUDIO AUX L IN (+)
AUDIO AUX COM
Radio
900_radio_inf_rse2 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD

NOTES

- 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16400
003
GMT900
GM Proprietary

Thursday, September 7, 2006
6:57:35 am 5
IEC/ESI

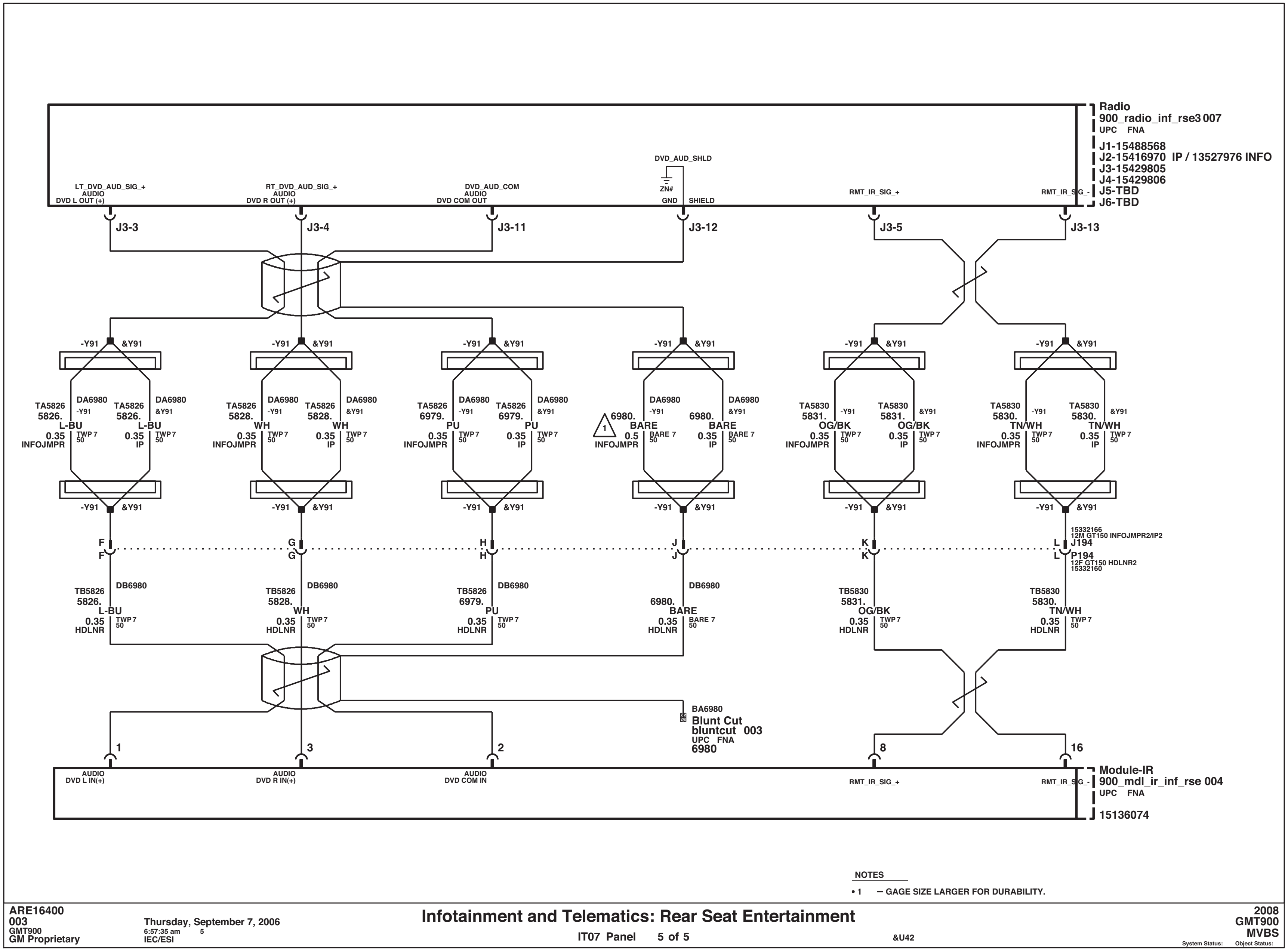
Infotainment and Telematics: Rear Seat Entertainment

IT07 Panel 4 of 5

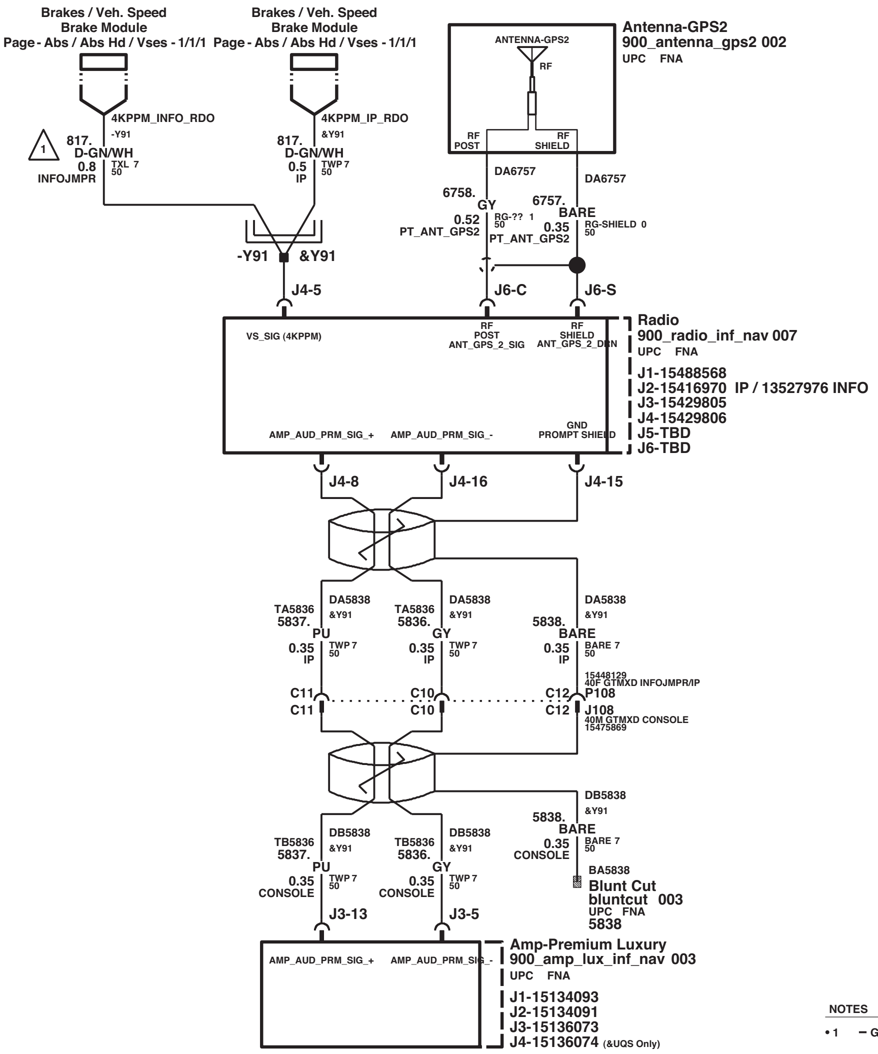
&U42

2008
GMT900
MVBS
System Status: Object Status:

Infotainment and Telematics: Rear Seat Entertainment


Radio
900_radio_inf_rse3 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
LT_DVD_AUD_SIG_+
AUDIO
DVD L OUT (+)
RT_DVD_AUD_SIG_+
AUDIO
DVD R OUT (+)
DVD_AUD_COM
AUDIO
DVD COM OUT
DVD_AUD_SHLD
ZN#
GND
SHIELD
RMT_IR_SIG_+
RMT_IR_SIG_-
J3-3
J3-4
J3-11
J3-12
J3-5
J3-13
-Y91
&Y91
TA5826
5826.
L-BU
0.35
INFOJMPR
DA6980
TWP 7
50
IP
TA5826
5828.
WH
TA5826
6979.
PU
1
6980.
BARE
0.5
BARE 7
50
0.35
TA5830
5831.
OG/BK
TA5830
5830.
TN/WH
F
G
H
J
K
L
15332166
12M GT150 INFOJMPR2/IP2
J194
P194
12F GT150 HDLNR2
15332160
TB5826
DB6980
HDLNR
TB5830
BA6980
Blunt Cut
bluntcut 003
UPC FNA
6980
1
3
2
8
16
AUDIO
DVD L IN(+)
AUDIO
DVD R IN(+)
AUDIO
DVD COM IN
RMT_IR_SIG_+
RMT_IR_SIG_-
Module-IR
900_mdl_ir_inf_rse 004
UPC FNA
15136074
NOTES
• 1 – GAGE SIZE LARGER FOR DURABILITY.
ARE16400
003
GMT900
GM Proprietary
Thursday, September 7, 2006
6:57:35 am 5
IEC/ESI
Infotainment and Telematics: Rear Seat Entertainment
IT07 Panel 5 of 5
&U42
2008
GMT900
MVBS
System Status:
Object Status:

Infotainment and Telematics: Navigation


Brakes / Veh. Speed
Brake Module
Page - Abs / Abs Hd / Vses - 1/1/1
Brakes / Veh. Speed
Brake Module
Page - Abs / Abs Hd / Vses - 1/1/1
4KPPM_INFO_RDO
-Y91
1
817.
D-GN/WH
0.8
TXL 7
50
INFOJMPR
4KPPM_IP_RDO
&Y91
817.
D-GN/WH
0.5
TWP 7
50
IP
-Y91
&Y91
J4-5
ANTENNA-GPS2
RF
RF
POST
RF
SHIELD
Antenna-GPS2
900_antenna_gps2 002
UPC FNA
DA6757
DA6757
6758.
GY
0.52
RG-?? 1
50
PT_ANT_GPS2
PT_ANT_GPS2
6757.
BARE
0.35
RG-SHIELD 0
50
J6-C
J6-S
VS_SIG (4KPPM)
RF
POST
ANT_GPS_2_SIG
RF
SHIELD
ANT_GPS_2_DRN
AMP_AUD_PRM_SIG_+
AMP_AUD_PRM_SIG_-
GND
PROMPT SHIELD
Radio
900_radio_inf_nav 007
UPC FNA
J1-15488568
J2-15416970 IP / 13527976 INFO
J3-15429805
J4-15429806
J5-TBD
J6-TBD
J4-8
J4-16
J4-15
TA5836
5837.
DA5838
&Y91
PU
0.35
IP
TWP 7
50
TA5836
5836.
DA5838
&Y91
GY
0.35
IP
TWP 7
50
5838.
DA5838
&Y91
BARE
0.35
IP
BARE 7
50
15448129
40F GTMXD INFOJMPR/IP
C11
C11
C10
C10
C12
C12
P108
J108
40M GTMXD CONSOLE
15475869
DB5838
&Y91
5838.
BARE
0.35
CONSOLE
BARE 7
50
BA5838
Blunt Cut
bluntcut 003
UPC FNA
5838
TB5836
5837.
DB5838
&Y91
PU
0.35
CONSOLE
TWP 7
50
TB5836
5836.
DB5838
&Y91
GY
0.35
CONSOLE
TWP 7
50
J3-13
J3-5
AMP_AUD_PRM_SIG_+
AMP_AUD_PRM_SIG_-
Amp-Premium Luxury
900_amp_lux_inf_nav 003
UPC FNA
J1-15134093
J2-15134091
J3-15136073
J4-15136074 (&UQS Only)

NOTES

- 1 – GAGE IS HIGHER FOR PHYSICAL STRENGTH.

ARE16397
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
10:30:51 am 3
IEC/ESI

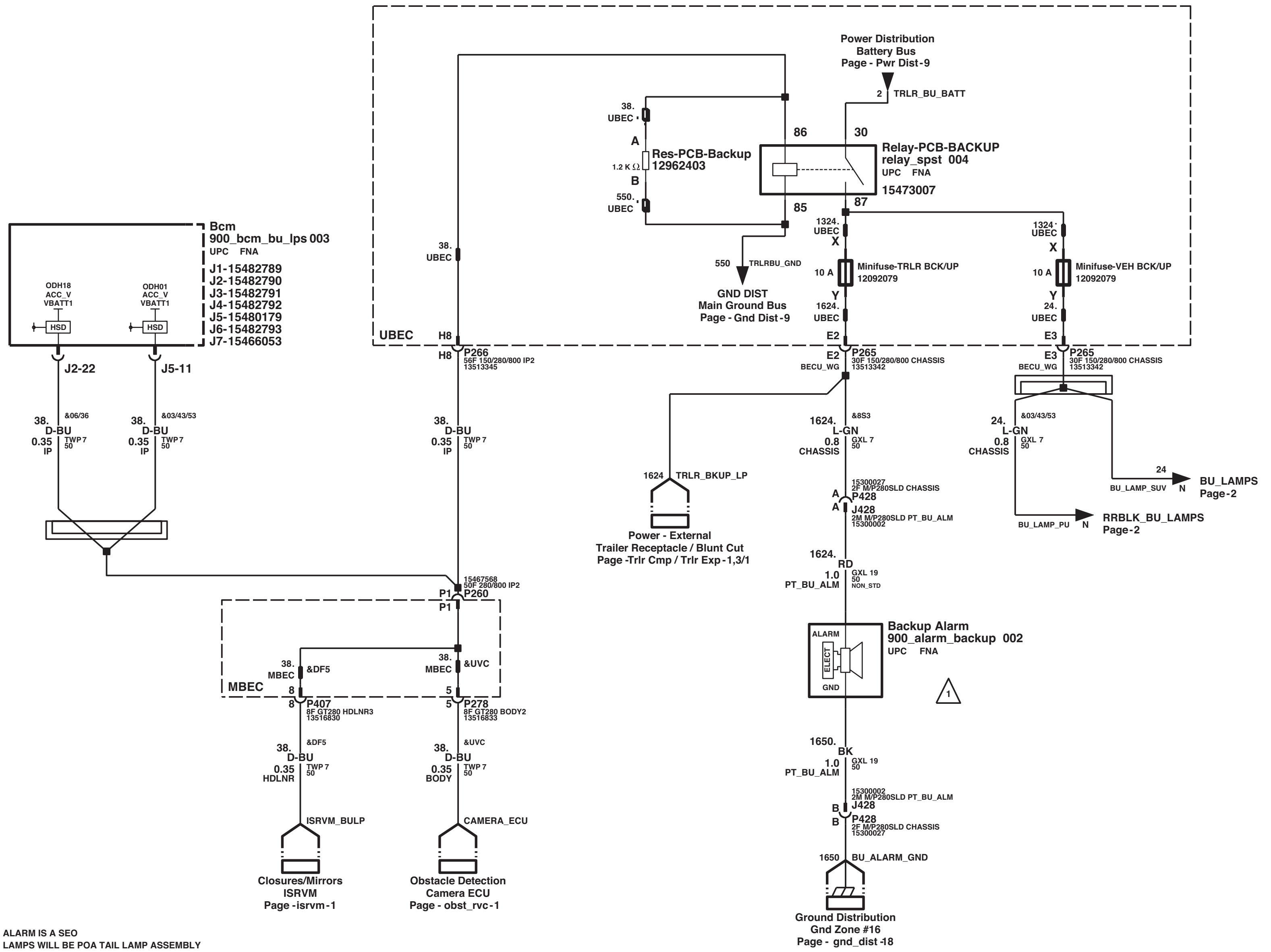
Infotainment and Telematics: Navigation

IT08 Panel 1 of 1

&U3R/U3U/UVB

2008
GMT900
MVBS
System Status: Object Status:

Lights – Exterior: Backup Lamps


Bcm
900_bcm_bu_lps 003
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH18
ACC_V
VBATT1
HSD
ODH01
ACC_V
VBATT1
HSD
J2-22
J5-11
38.
D-BU
0.35
IP
&06/36
TWP 7
50
38.
D-BU
0.35
IP
&03/43/53
TWP 7
50
UBEC
38.
UBEC
H8
H8
P266
56F 150/280/800 IP2
13513345
38.
D-BU
0.35
IP
TWP 7
50
15467568
50F 280/800 IP2
P1
P260
P1
MBEC
38.
MBEC
&DF5
38.
MBEC
&UVC
8
8
P407
8F GT280 HDLNR3
13516830
5
5
P278
8F GT280 BODY2
13516833
38.
D-BU
0.35
HDLNR
&DF5
TWP 7
50
38.
D-BU
0.35
BODY
&UVC
TWP 7
50
ISRVM_BULP
Closures/Mirrors
ISRVM
Page -isrvm-1
CAMERA_ECU
Obstacle Detection
Camera ECU
Page - obst_rvc-1
38.
UBEC
A
1.2 K Ω
Res-PCB-Backup
12962403
B
550.
UBEC
86
85
550
TRLRBU_GND
GND DIST
Main Ground Bus
Page - Gnd Dist-9
Power Distribution
Battery Bus
Page - Pwr Dist-9
2
TRLR_BU_BATT
30
87
Relay-PCB-BACKUP
relay_spst 004
UPC FNA
15473007
1324.
UBEC
X
10 A
Minifuse-TRLR BCK/UP
12092079
Y
1624.
UBEC
E2
E2
P265
30F 150/280/800 CHASSIS
13513342
BECU_WG
1324.
UBEC
X
10 A
Minifuse-VEH BCK/UP
12092079
Y
24.
UBEC
E3
E3
P265
30F 150/280/800 CHASSIS
13513342
BECU_WG
1624
TRLR_BKUP_LP
Power - External
Trailer Receptacle / Blunt Cut
Page -Trlr Cmp / Trlr Exp-1,3/1
1624.
L-GN
0.8
CHASSIS
&8S3
GXL 7
50
15300027
2F M/P280SLD CHASSIS
A
P428
A
J428
2M M/P280SLD PT_BU_ALM
15300002
1624.
RD
1.0
PT_BU_ALM
GXL 19
50
NON_STD
ALARM
ELECT
GND
Backup Alarm
900_alarm_backup 002
UPC FNA
1
1650.
BK
1.0
PT_BU_ALM
GXL 19
50
15300002
2M M/P280SLD PT_BU_ALM
B
J428
B
P428
2F M/P280SLD CHASSIS
15300027
1650
BU_ALARM_GND
Ground Distribution
Gnd Zone #16
Page - gnd_dist-18
24.
L-GN
0.8
CHASSIS
&03/43/53
GXL 7
50
24
BU_LAMP_SUV
N
BU_LAMPS
Page-2
BU_LAMP_PU
N
RRBLK_BU_LAMPS
Page-2

NOTES
- 1 – BACKUP ALARM IS A SEO
- 2 – BACKUP LAMPS WILL BE POA TAIL LAMP ASSEMBLY

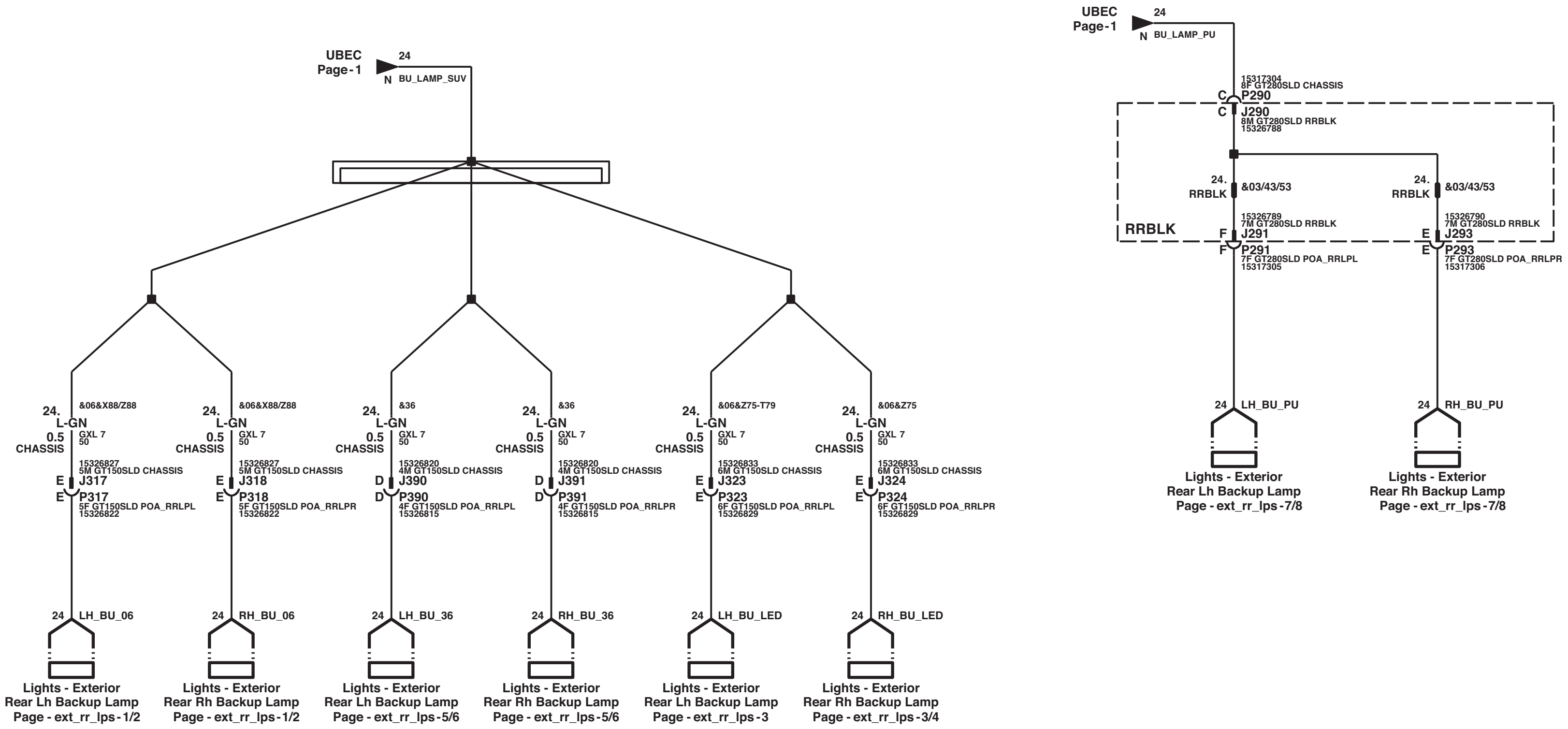
ARE16405
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:48:43 am 3
IEC/ESI

Lights - Exterior: Backup Lamps
1_08_lgt_ext_bu Panel 1 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Backup Lamps


UBEC
Page-1
24
N BU_LAMP_SUV
24.
L-GN
0.5
CHASSIS
&06&X88/Z88
GXL 7
50
15326827
5M GT150SLD CHASSIS
E J317
E P317
5F GT150SLD POA_RRLPL
15326822
24.
L-GN
0.5
CHASSIS
&06&X88/Z88
GXL 7
50
15326827
5M GT150SLD CHASSIS
E J318
E P318
5F GT150SLD POA_RRLPR
15326822
24.
L-GN
0.5
CHASSIS
&36
GXL 7
50
15326820
4M GT150SLD CHASSIS
D J390
D P390
4F GT150SLD POA_RRLPL
15326815
24.
L-GN
0.5
CHASSIS
&36
GXL 7
50
15326820
4M GT150SLD CHASSIS
D J391
D P391
4F GT150SLD POA_RRLPR
15326815
24.
L-GN
0.5
CHASSIS
&06&Z75-T79
GXL 7
50
15326833
6M GT150SLD CHASSIS
E J323
E P323
6F GT150SLD POA_RRLPL
15326829
24.
L-GN
0.5
CHASSIS
&06&Z75
GXL 7
50
15326833
6M GT150SLD CHASSIS
E J324
E P324
6F GT150SLD POA_RRLPR
15326829
24 LH_BU_06
Lights - Exterior
Rear Lh Backup Lamp
Page - ext_rr_lps-1/2
24 RH_BU_06
Lights - Exterior
Rear Rh Backup Lamp
Page - ext_rr_lps-1/2
24 LH_BU_36
Lights - Exterior
Rear Lh Backup Lamp
Page - ext_rr_lps-5/6
24 RH_BU_36
Lights - Exterior
Rear Rh Backup Lamp
Page - ext_rr_lps-5/6
24 LH_BU_LED
Lights - Exterior
Rear Lh Backup Lamp
Page - ext_rr_lps-3
24 RH_BU_LED
Lights - Exterior
Rear Rh Backup Lamp
Page - ext_rr_lps-3/4
UBEC
Page-1
24
N BU_LAMP_PU
15317304
8F GT280SLD CHASSIS
C P290
C J290
8M GT280SLD RRBLK
15326788
24.
RRBLK
&03/43/53
24.
RRBLK
&03/43/53
RRBLK
15326789
7M GT280SLD RRBLK
F J291
F P291
7F GT280SLD POA_RRLPL
15317305
15326790
7M GT280SLD RRBLK
E J293
E P293
7F GT280SLD POA_RRLPR
15317306
24 LH_BU_PU
Lights - Exterior
Rear Lh Backup Lamp
Page - ext_rr_lps-7/8
24 RH_BU_PU
Lights - Exterior
Rear Rh Backup Lamp
Page - ext_rr_lps-7/8

ARE16405
003
GMT900
GM Proprietary

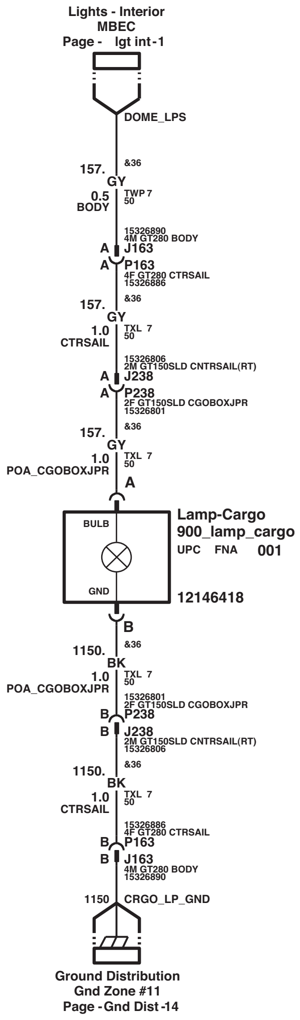
Tuesday, August 22, 2006
8:48:43 am 3
IEC/ESI

Lights - Exterior: Backup Lamps

1_08_lgt_ext_bu Panel 2 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Cargo Lamps


Lights - Interior
MBEC
Page - lgt int-1
DOME_LPS
157.
&36
GY
0.5
BODY
TWP 7
50
15326890
4M GT280 BODY
A
J163
A
P163
4F GT280 CTRSAIL
15326886
157.
&36
GY
1.0
CTRSAIL
TXL 7
50
15326806
2M GT150SLD CNTRSAIL(RT)
A
J238
A
P238
2F GT150SLD CGOBOXJPR
15326801
157.
&36
GY
1.0
POA_CGOBOXJPR
TXL 7
50
A
BULB
GND
Lamp-Cargo
900_lamp_cargo
UPC FNA 001
12146418
B
1150.
&36
BK
1.0
POA_CGOBOXJPR
TXL 7
50
15326801
2F GT150SLD CGOBOXJPR
B
P238
B
J238
2M GT150SLD CNTRSAIL(RT)
15326806
1150.
&36
BK
1.0
CTRSAIL
TXL 7
50
15326886
4F GT280 CTRSAIL
B
P163
B
J163
4M GT280 BODY
15326890
1150
CRGO_LP_GND
Ground Distribution
Gnd Zone #11
Page -Gnd Dist-14

NOTE: PICKUP CARGO LAMP
IS PART OF THE CHMSL ASSEMBLY.
SEE: 1_08_lgt_ext_stop
FOR INFORMATIONS.

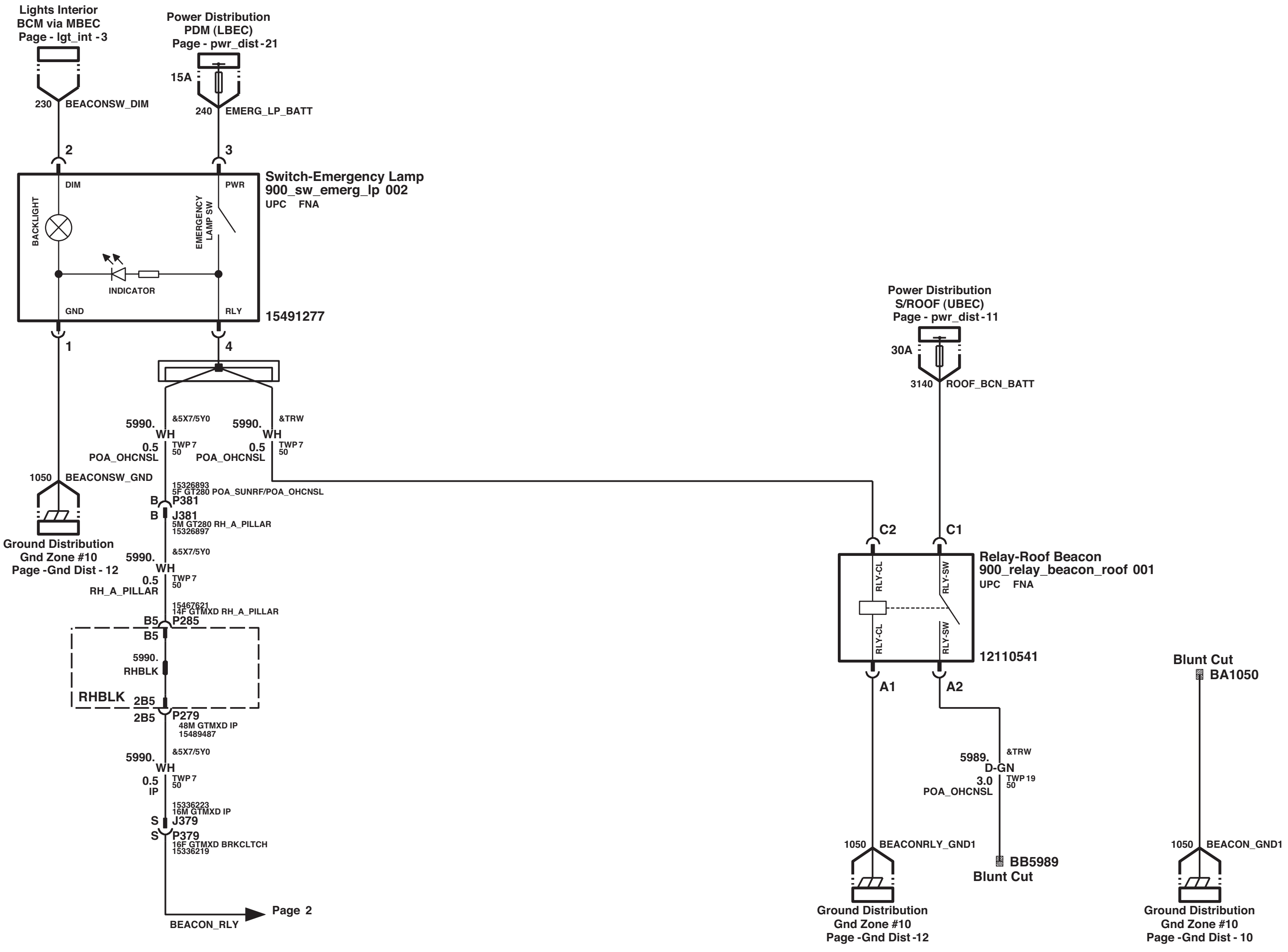
ARE16406
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:49:48 am 3
IEC/ESI

Lights - Exterior: Cargo Lamps
1_08_lgt_ext_cargo Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Emergency Lamp


Lights Interior
BCM via MBEC
Page - lgt_int - 3
230 BEACONSW_DIM
Power Distribution
PDM (LBEC)
Page - pwr_dist - 21
15A
240 EMERG_LP_BATT
2
3
DIM
PWR
BACKLIGHT
EMERGENCY LAMP SW
INDICATOR
GND
RLY
Switch-Emergency Lamp
900_sw_emerg_lp 002
UPC FNA
15491277
1
4
5990.
&5X7/5Y0
WH
0.5
TWP 7
50
POA_OHCNSL
5990.
&TRW
WH
0.5
TWP 7
50
POA_OHCNSL
1050 BEACONSW_GND
Ground Distribution
Gnd Zone #10
Page -Gnd Dist - 12
15326893
5F GT280 POA_SUNRF/POA_OHCNSL
B P381
B J381
5M GT280 RH_A_PILLAR
15326897
&5X7/5Y0
5990.
WH
0.5
TWP 7
50
RH_A_PILLAR
15467621
14F GTMXD RH_A_PILLAR
B5 P285
B5
5990.
RHBLK
RHBLK
2B5
2B5 P279
48M GTMXD IP
15489487
&5X7/5Y0
5990.
WH
0.5
TWP 7
50
IP
15336223
16M GTMXD IP
S J379
S P379
16F GTMXD BRKCLTCH
15336219
Page 2
BEACON_RLY
Power Distribution
S/ROOF (UBEC)
Page - pwr_dist - 11
30A
3140 ROOF_BCN_BATT
C2
C1
RLY-CL
RLY-SW
RLY-CL
RLY-SW
Relay-Roof Beacon
900_relay_beacon_roof 001
UPC FNA
12110541
A1
A2
&TRW
5989.
D-GN
3.0
TWP 19
50
POA_OHCNSL
1050 BEACONRLY_GND1
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -12
BB5989
Blunt Cut
Blunt Cut
BA1050
1050 BEACON_GND1
Ground Distribution
Gnd Zone #10
Page -Gnd Dist - 10

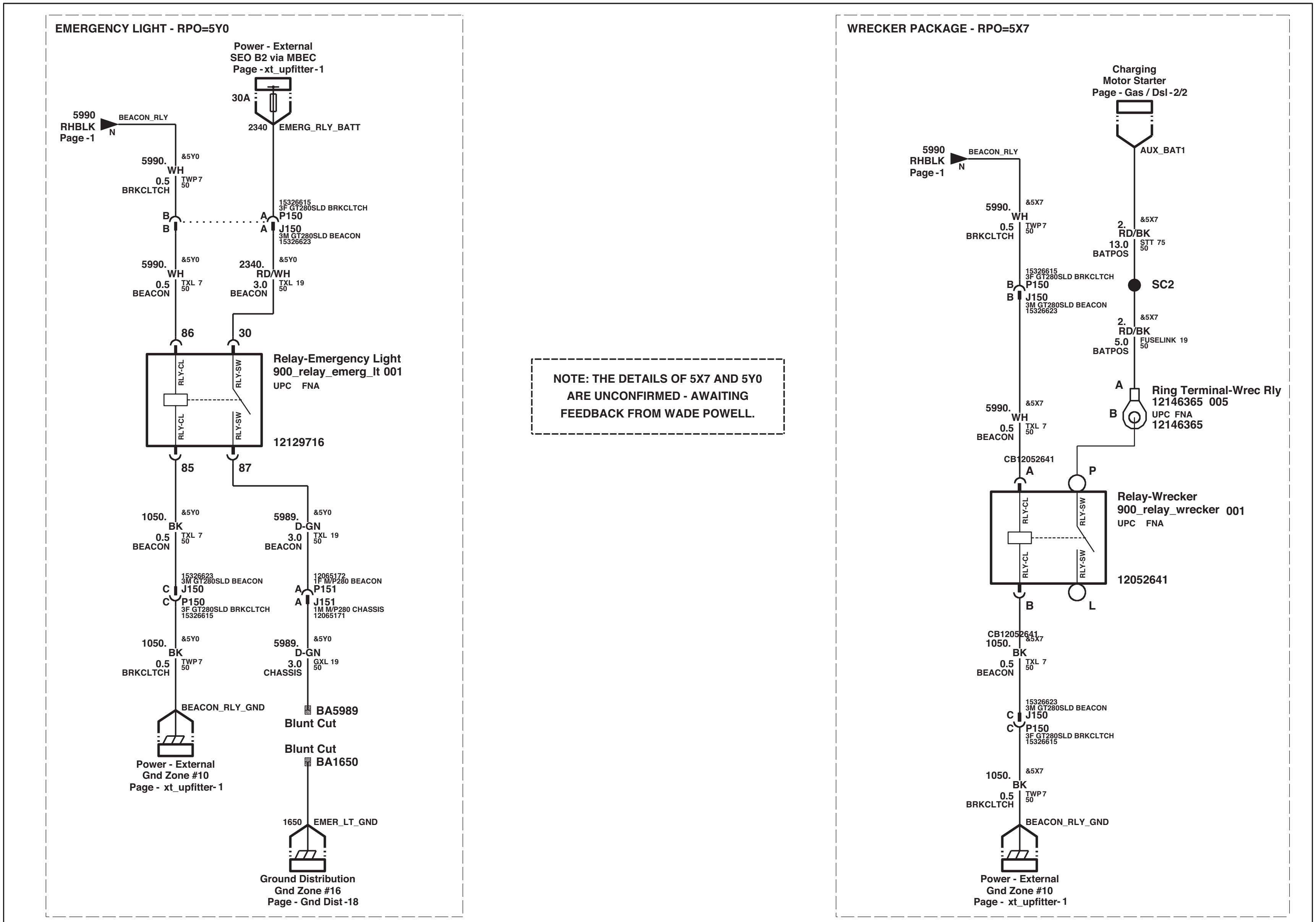
ARE16407
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:50:01 am 3
IEC/ESI

Lights - Exterior: Emergency Lamp
1_08_lgt_ext_emer Panel 1 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Emergency Lamp


EMERGENCY LIGHT - RPO=5Y0
Power - External
SEO B2 via MBEC
Page - xt_upfitter - 1
30A
2340 EMERG_RLY_BATT
5990
RHBLK
Page - 1
N
BEACON_RLY
5990. WH 0.5 BRKCLTCH &5Y0 TWP 7 50
15326615
3F GT280SLD BRKCLTCH
B A P150
B A J150
3M GT280SLD BEACON
15326623
5990. WH 0.5 BEACON &5Y0 TXL 7 50
2340. RD/WH 3.0 BEACON &5Y0 TXL 19 50
86
30
Relay-Emergency Light
900_relay_emerg_lt 001
UPC FNA
RLY-CL
RLY-SW
RLY-CL
RLY-SW
12129716
85
87
1050. BK 0.5 BEACON &5Y0 TXL 7 50
5989. D-GN 3.0 BEACON &5Y0 TXL 19 50
15326623
3M GT280SLD BEACON
C J150
C P150
3F GT280SLD BRKCLTCH
15326615
12065172
1F M/P280 BEACON
A P151
A J151
1M M/P280 CHASSIS
12065171
1050. BK 0.5 BRKCLTCH &5Y0 TWP 7 50
5989. D-GN 3.0 CHASSIS &5Y0 GXL 19 50
BEACON_RLY_GND
BA5989
Blunt Cut
Blunt Cut
BA1650
Power - External
Gnd Zone #10
Page - xt_upfitter- 1
1650 EMER_LT_GND
Ground Distribution
Gnd Zone #16
Page - Gnd Dist - 18
WRECKER PACKAGE - RPO=5X7
Charging
Motor Starter
Page - Gas / Dsl - 2/2
AUX_BAT1
5990
RHBLK
Page - 1
N
BEACON_RLY
5990. WH 0.5 BRKCLTCH &5X7 TWP 7 50
2. RD/BK 13.0 BATPOS &5X7 STT 75 50
15326615
3F GT280SLD BRKCLTCH
B P150
B J150
3M GT280SLD BEACON
15326623
SC2
2. RD/BK 5.0 BATPOS &5X7 FUSELINK 19 50
A
B
Ring Terminal-Wrec Rly
12146365 005
UPC FNA
12146365
5990. WH 0.5 BEACON &5X7 TXL 7 50
CB12052641
A
P
Relay-Wrecker
900_relay_wrecker 001
UPC FNA
RLY-CL
RLY-SW
RLY-CL
RLY-SW
12052641
B
L
CB12052641
1050. BK 0.5 BEACON &5X7 TXL 7 50
15326623
3M GT280SLD BEACON
C J150
C P150
3F GT280SLD BRKCLTCH
15326615
1050. BK 0.5 BRKCLTCH &5X7 TWP 7 50
BEACON_RLY_GND
Power - External
Gnd Zone #10
Page - xt_upfitter- 1

NOTE: THE DETAILS OF 5X7 AND 5Y0 ARE UNCONFIRMED - AWAITING FEEDBACK FROM WADE POWELL.

ARE16407
003
GMT900
GM Proprietary

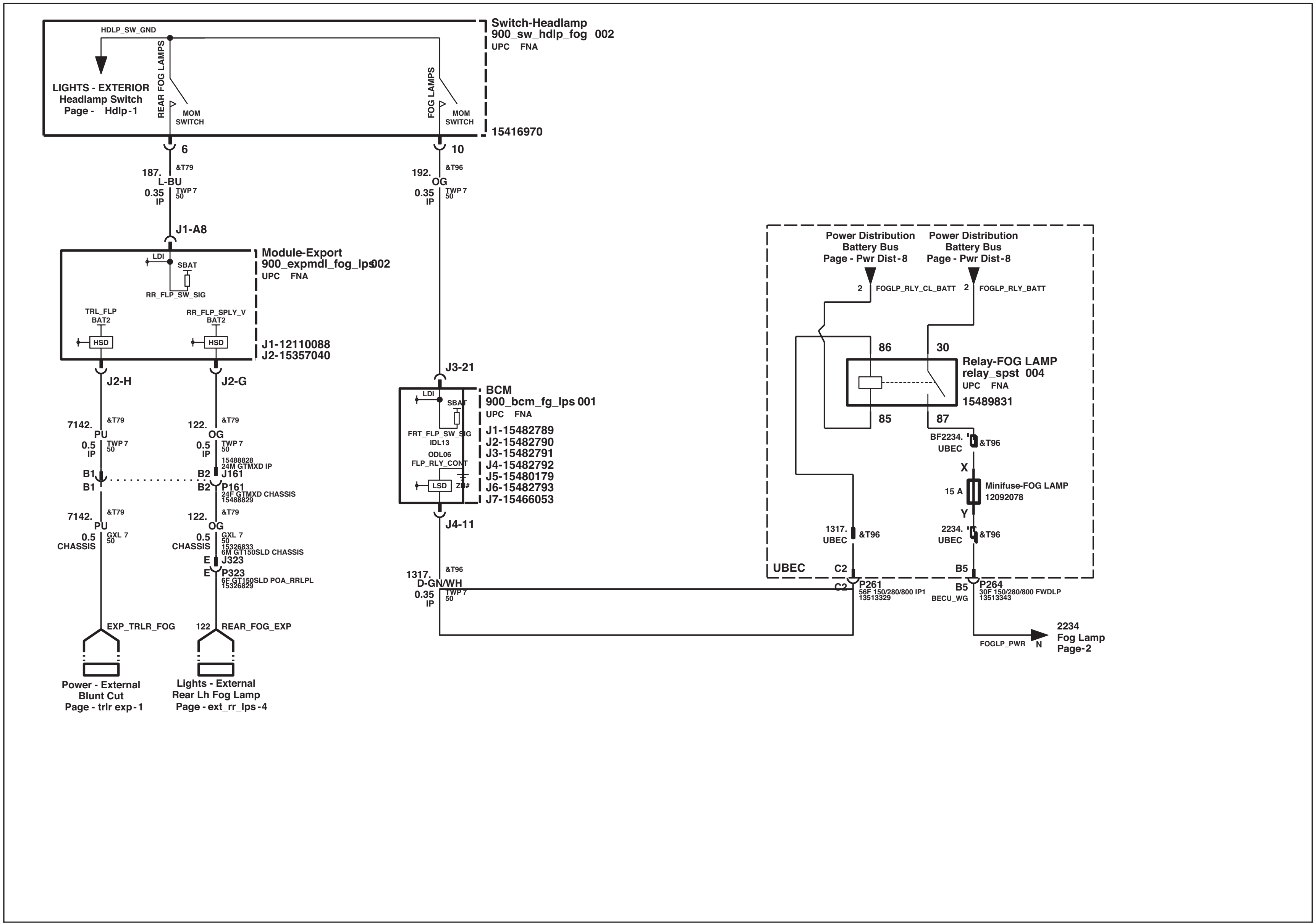
Tuesday, August 22, 2006
8:50:01 am 3
IEC/ESI

Lights - Exterior: Emergency Lamp

1_08_lgt_ext_emer Panel 2 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Fog Lamps


HDLP_SW_GND
LIGHTS - EXTERIOR
Headlamp Switch
Page - Hdlp-1
REAR FOG LAMPS
MOM SWITCH
FOG LAMPS
MOM SWITCH
Switch-Headlamp
900_sw_hdlp_fog 002
UPC FNA
15416970
6
10
187.
&T79
L-BU
0.35 IP
TWP 7 50
192.
&T96
OG
0.35 IP
TWP 7 50
J1-A8
Module-Export
900_expmdl_fog_lps 002
UPC FNA
LDI
SBAT
RR_FLP_SW_SIG
TRL_FLP BAT2
RR_FLP_SPLY_V BAT2
HSD
HSD
J1-12110088
J2-15357040
J2-H
J2-G
7142.
&T79
PU
0.5 IP
TWP 7 50
122.
&T79
OG
0.5 IP
TWP 7 50
15488828 24M GTMXD IP
B1
B1
B2
B2
J161
P161
24F GTMXD CHASSIS 15488829
7142.
&T79
PU
0.5 CHASSIS
GXL 7 50
122.
&T79
OG
0.5 CHASSIS
GXL 7 50
15326833 6M GT150SLD CHASSIS
E
E
J323
P323
6F GT150SLD POA_RRLPL 15326829
EXP_TRLR_FOG
122 REAR_FOG_EXP
Power - External
Blunt Cut
Page - trlr exp-1
Lights - External
Rear Lh Fog Lamp
Page - ext_rr_lps-4
J3-21
BCM
900_bcm_fg_lps 001
UPC FNA
LDI
SBAT
FRT_FLP_SW_SIG
IDL13
ODL06
FLP_RLY_CONT
LSD
ZB#
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
J4-11
1317.
&T96
D-GN/WH
0.35 IP
TWP 7 50
Power Distribution
Battery Bus
Page - Pwr Dist-8
Power Distribution
Battery Bus
Page - Pwr Dist-8
2 FOGLP_RLY_CL_BATT
2 FOGLP_RLY_BATT
86
30
85
87
Relay-FOG LAMP
relay_spst 004
UPC FNA
15489831
BF2234.
UBEC
&T96
X
15 A
Minifuse-FOG LAMP
12092078
Y
2234.
UBEC
&T96
1317.
UBEC
&T96
UBEC
C2
C2
P261
56F 150/280/800 IP1 13513329
B5
B5
P264
30F 150/280/800 FWDLP 13513343
BECU_WG
FOGLP_PWR
N
2234
Fog Lamp
Page-2

ARE16408
003
GMT900
GM Proprietary

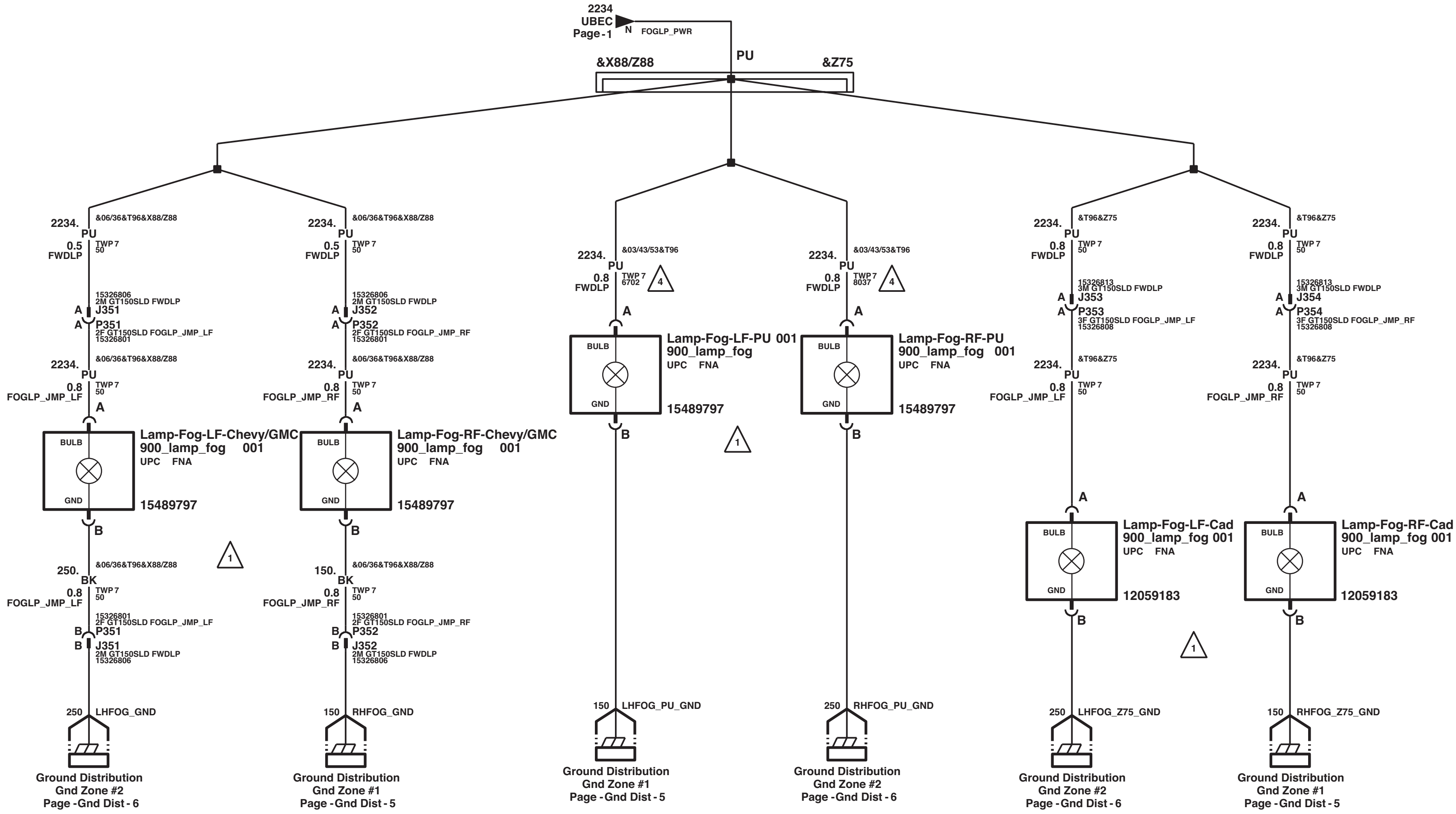
Thursday, October 26, 2006
8:59:41 am 4
IEC/ESI

Lights - Exterior: Fog Lamps

1_08_lgt_ext_fog Panel 1 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Fog Lamps


2234
UBEC
Page - 1
N
FOGLP_PWR
PU
&X88/Z88
&Z75
2234.
PU
0.5
FWDLP
&06/36&T96&X88/Z88
TWP 7
50
15326806
2M GT150SLD FWDLP
A
J351
A
P351
2F GT150SLD FOGLP_JMP_LF
15326801
2234.
PU
0.8
FOGLP_JMP_LF
&06/36&T96&X88/Z88
TWP 7
50
A
BULB
GND
Lamp-Fog-LF-Chevy/GMC
900_lamp_fog 001
UPC FNA
15489797
B
1
250.
BK
0.8
FOGLP_JMP_LF
&06/36&T96&X88/Z88
TWP 7
50
15326801
2F GT150SLD FOGLP_JMP_LF
B
P351
B
J351
2M GT150SLD FWDLP
15326806
250
LHFOG_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
2234.
PU
0.5
FWDLP
&06/36&T96&X88/Z88
TWP 7
50
15326806
2M GT150SLD FWDLP
A
J352
A
P352
2F GT150SLD FOGLP_JMP_RF
15326801
2234.
PU
0.8
FOGLP_JMP_RF
&06/36&T96&X88/Z88
TWP 7
50
A
BULB
GND
Lamp-Fog-RF-Chevy/GMC
900_lamp_fog 001
UPC FNA
15489797
B
150.
BK
0.8
FOGLP_JMP_RF
&06/36&T96&X88/Z88
TWP 7
50
15326801
2F GT150SLD FOGLP_JMP_RF
B
P352
B
J352
2M GT150SLD FWDLP
15326806
150
RHFOG_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
2234.
PU
0.8
FWDLP
&03/43/53&T96
TWP 7
6702
4
A
BULB
GND
Lamp-Fog-LF-PU 001
900_lamp_fog
UPC FNA
15489797
B
1
150
LHFOG_PU_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
2234.
PU
0.8
FWDLP
&03/43/53&T96
TWP 7
8037
4
A
BULB
GND
Lamp-Fog-RF-PU
900_lamp_fog 001
UPC FNA
15489797
B
250
RHFOG_PU_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
2234.
PU
0.8
FWDLP
&T96&Z75
TWP 7
50
15326813
3M GT150SLD FWDLP
A
J353
A
P353
3F GT150SLD FOGLP_JMP_LF
15326808
2234.
PU
0.8
FOGLP_JMP_LF
&T96&Z75
TWP 7
50
A
BULB
GND
Lamp-Fog-LF-Cad
900_lamp_fog 001
UPC FNA
12059183
B
1
250
LHFOG_Z75_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
2234.
PU
0.8
FWDLP
&T96&Z75
TWP 7
50
15326813
3M GT150SLD FWDLP
A
J354
A
P354
3F GT150SLD FOGLP_JMP_RF
15326808
2234.
PU
0.8
FOGLP_JMP_RF
&T96&Z75
TWP 7
50
A
BULB
GND
Lamp-Fog-RF-Cad
900_lamp_fog 001
UPC FNA
12059183
B
150
RHFOG_Z75_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5

NOTES

- 1 – FRONT FOG LAMPS WILL BE POA THE FRONT TURN LAMP ASSEMBLY FOR CADILLAC, STAND ALONE FOR CHEVY/GMC
- 2 – FOG LAMP INDICATION LOCATED IN I/P CLUSTER
- 3 – FRONT FOG LAMP SWITCH POA HEADLAMP SWITCH
- 4 – LENGTH MUST STAY AS MARKED DUE TO VOLTAGE DROP REQUIREMENTS

ARE16408
003
GMT900
GM Proprietary

Thursday, October 26, 2006
8:59:41 am 4
IEC/ESI

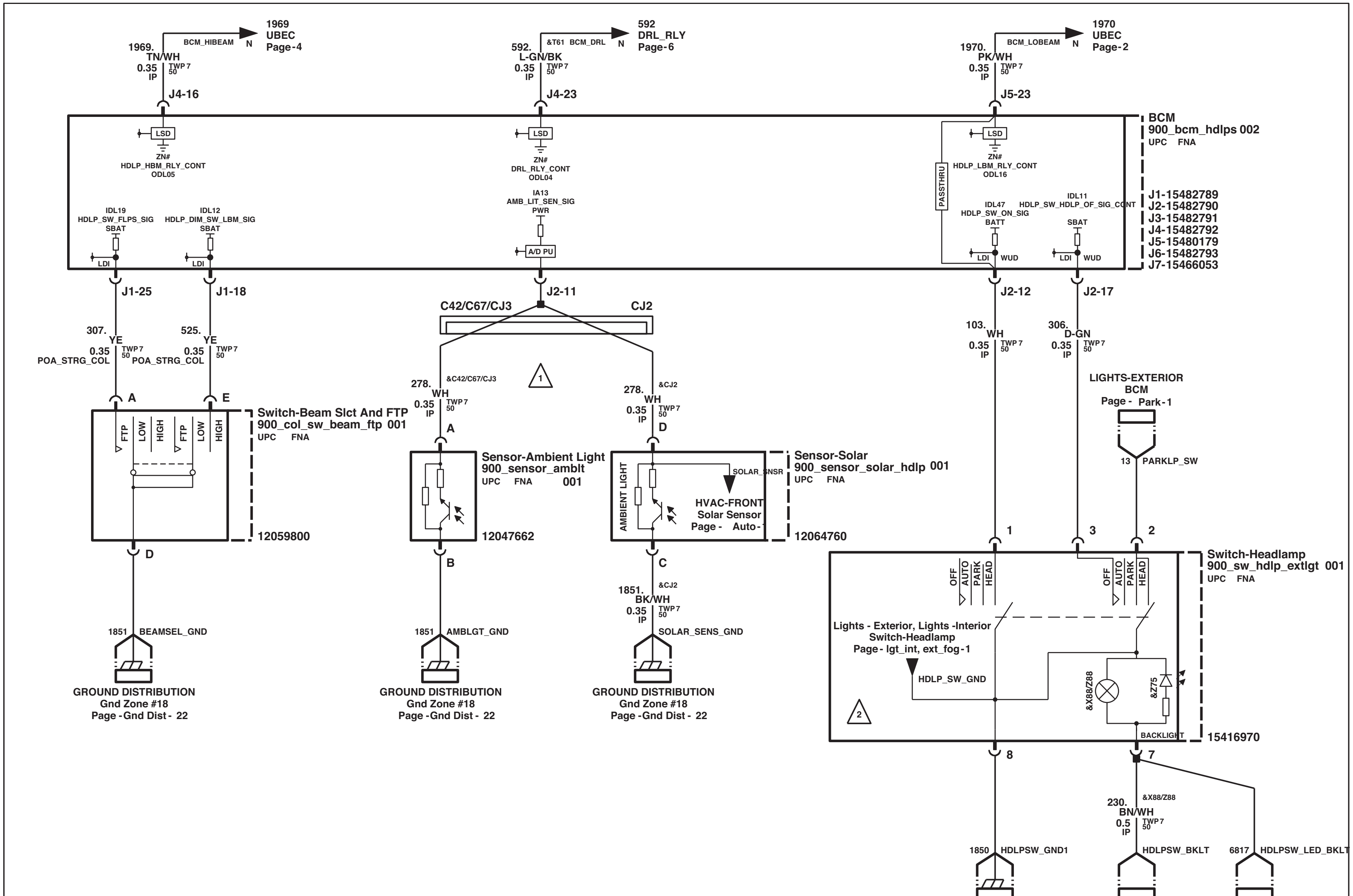
Lights - Exterior: Fog Lamps

1_08_lgt_ext_fog Panel 2 of 2

Panel Set: 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps


1969 UBEC Page-4
BCM_HIBEAM N
1969. TN/WH 0.35 IP TWP7 50
J4-16
592 DRL_RLY Page-6
&T61 BCM_DRL N
592. L-GN/BK 0.35 IP TWP7 50
J4-23
1970 UBEC Page-2
BCM_LOBEAM N
1970. PK/WH 0.35 IP TWP7 50
J5-23
BCM
900_bcm_hdlps 002
UPC FNA
LSD
ZN#
HDLP_HBM_RLY_CONT
ODL05
DRL_RLY_CONT
ODL04
HDLP_LBM_RLY_CONT
ODL16
PASSTHRU
IA13
AMB_LIT_SEN_SIG
PWR
A/D PU
IDL19
HDLP_SW_FLPS_SIG
SBAT
IDL12
HDLP_DIM_SW_LBM_SIG
LDI
IDL47
HDLP_SW_ON_SIG
BATT
IDL11
HDLP_SW_HDLP_OF_SIG_CONT
WUD
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
J1-25
J1-18
J2-11
J2-12
J2-17
C42/C67/CJ3
CJ2
307. YE 0.35 TWP7 50 POA_STRG_COL
525. YE 0.35 TWP7 50 POA_STRG_COL
103. WH 0.35 IP TWP7 50
306. D-GN 0.35 IP TWP7 50
A
E
Switch-Beam Slct And FTP
900_col_sw_beam_ftp 001
UPC FNA
FTP
LOW
HIGH
12059800
D
278. WH 0.35 IP TWP7 50 &C42/C67/CJ3
1
278. WH 0.35 IP TWP7 50 &CJ2
Sensor-Ambient Light
900_sensor_amblt
UPC FNA 001
12047662
B
Sensor-Solar
900_sensor_solar_hdlp 001
UPC FNA
AMBIENT LIGHT
SOLAR_SNSR
HVAC-FRONT
Solar Sensor
Page - Auto -
12064760
C
1851. BK/WH 0.35 IP TWP7 50 &CJ2
1851 BEAMSEL_GND
1851 AMBLGT_GND
SOLAR_SENS_GND
GROUND DISTRIBUTION
Gnd Zone #18
Page -Gnd Dist - 22
LIGHTS-EXTERIOR
BCM
Page - Park-1
13 PARKLP_SW
1
3
2
Switch-Headlamp
900_sw_hdlp_extlgt 001
UPC FNA
OFF
AUTO
PARK
HEAD
Lights - Exterior, Lights -Interior
Switch-Headlamp
Page - lgt_int, ext_fog-1
HDLP_SW_GND
&X88/Z88
&Z75
2
BACKLIGHT
15416970
8
7
230. BN/WH 0.5 IP TWP7 50 &X88/Z88
1850 HDLPSW_GND1
HDLPSW_BKLT
6817 HDLPSW_LED_BKLT
GROUND DISTRIBUTION
Gnd Zone #18
Page -Gnd Dist -23
LIGHTS-INTERIOR
BCM via MBEC
Page - Lgt Int-3
LIGHTS-INTERIOR
BCM via MBEC
Page - Lgt Int-4

NOTES

- 1 – SOLAR SENSOR MUST BE GROUNDED AT SAME ZONE AS BCM
- 2 – HEADLAMP SWITCH CONTAINS THE FRONT & REAR FOG SWITCHES, COURTESY ON/OFF SWITCH, INTERIOR DEFEAT SWITCH, AND DIMMER SWITCH RHEOSTAT

ARE16409
003
GMT900
GM Proprietary

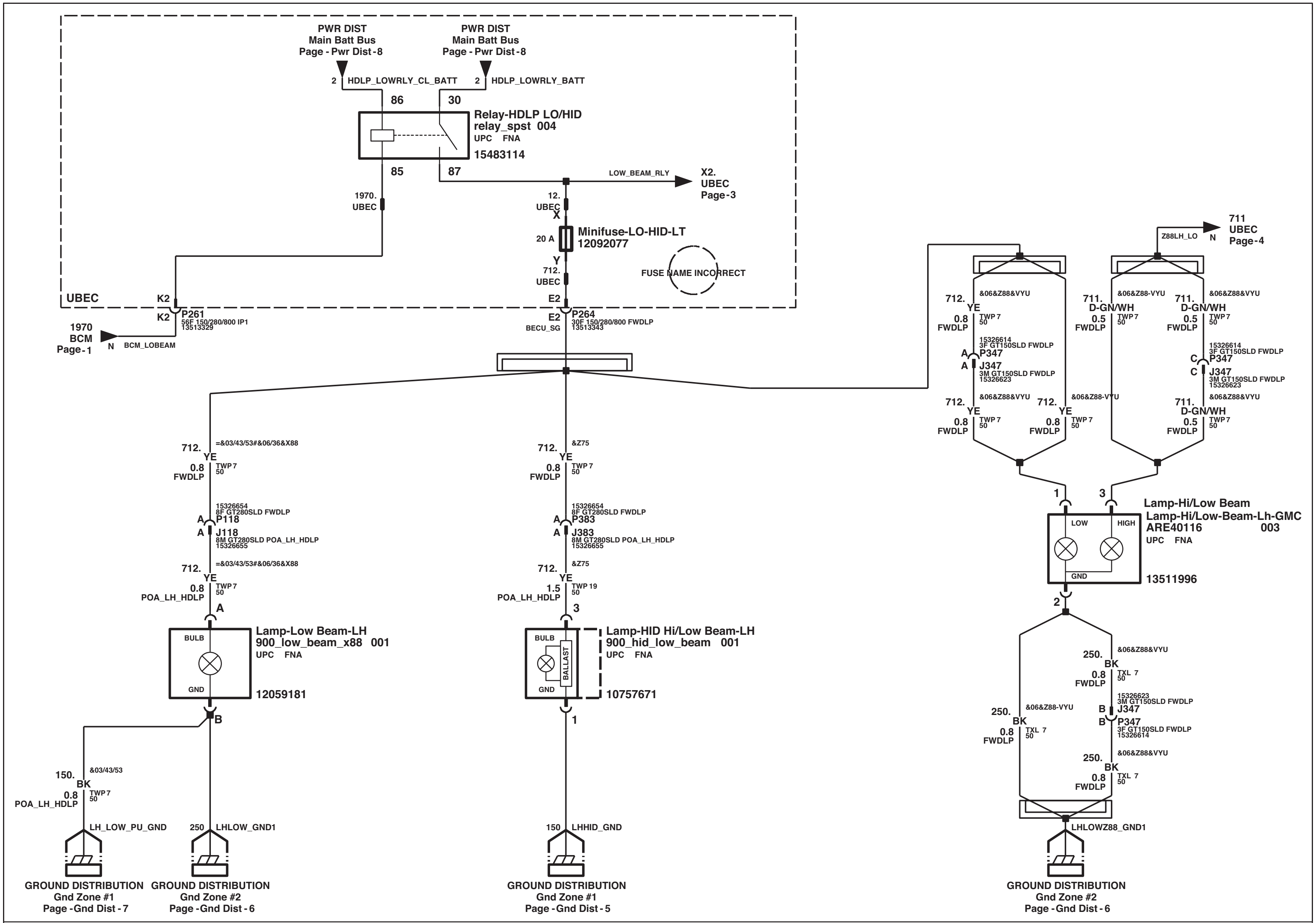
Tuesday, August 22, 2006
8:52:28 am 6
IEC/ESI

Lights - Exterior: Headlamps

1_08_lgt_ext_hdlp Panel 1 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps


PWR DIST
Main Batt Bus
Page - Pwr Dist - 8
PWR DIST
Main Batt Bus
Page - Pwr Dist - 8
2 HDLP_LOWRLY_CL_BATT
2 HDLP_LOWRLY_BATT
86
30
Relay-HDLP LO/HID
relay_spst 004
UPC FNA
15483114
85
87
LOW_BEAM_RLY
X2.
UBEC
Page - 3
1970.
UBEC
12.
UBEC
X
Minifuse-LO-HID-LT
12092077
20 A
Y
712.
UBEC
FUSE NAME INCORRECT
UBEC
K2
K2
P261
56F 150/280/800 IP1
13513329
E2
E2
P264
30F 150/280/800 FWDLP
13513343
BECU_SG
1970
BCM
Page - 1
N
BCM_LOBEAM
711
UBEC
Page - 4
Z88LH_LO
N
712.
YE
&06&Z88&VYU
0.8
FWDLP
TWP 7
50
15326614
3F GT150SLD FWDLP
A P347
A J347
3M GT150SLD FWDLP
15326623
712.
YE
&06&Z88&VYU
0.8
FWDLP
TWP 7
50
712.
YE
&06&Z88-VYU
0.8
FWDLP
TWP 7
50
711.
D-GN/WH
&06&Z88-VYU
0.5
FWDLP
TWP 7
50
711.
D-GN/WH
&06&Z88&VYU
0.5
FWDLP
TWP 7
50
15326614
3F GT150SLD FWDLP
C P347
C J347
3M GT150SLD FWDLP
15326623
711.
D-GN/WH
&06&Z88&VYU
0.5
FWDLP
TWP 7
50
712.
YE
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0.8
FWDLP
TWP 7
50
15326654
8F GT280SLD FWDLP
A P118
A J118
8M GT280SLD POA_LH_HDLP
15326655
712.
YE
=&03/43/53#&06/36&X88
0.8
POA_LH_HDLP
TWP 7
50
A
Lamp-Low Beam-LH
900_low_beam_x88 001
UPC FNA
BULB
GND
12059181
B
150.
BK
&03/43/53
0.8
POA_LH_HDLP
TWP 7
50
LH_LOW_PU_GND
250 LHLOW_GND1
712.
YE
&Z75
0.8
FWDLP
TWP 7
50
15326654
8F GT280SLD FWDLP
A P383
A J383
8M GT280SLD POA_LH_HDLP
15326655
712.
YE
&Z75
1.5
POA_LH_HDLP
TWP 19
50
3
Lamp-HID Hi/Low Beam-LH
900_hid_low_beam 001
UPC FNA
BULB
BALLAST
GND
10757671
1
150 LHHID_GND
1
3
Lamp-Hi/Low Beam
Lamp-Hi/Low-Beam-Lh-GMC
ARE40116 003
UPC FNA
LOW
HIGH
GND
13511996
2
250.
BK
&06&Z88&VYU
0.8
FWDLP
TXL 7
50
15326623
3M GT150SLD FWDLP
B J347
B P347
3F GT150SLD FWDLP
15326614
250.
BK
&06&Z88-VYU
0.8
FWDLP
TXL 7
50
250.
BK
&06&Z88&VYU
0.8
FWDLP
TXL 7
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GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 7
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6

ARE16409
003
GMT900
GM Proprietary

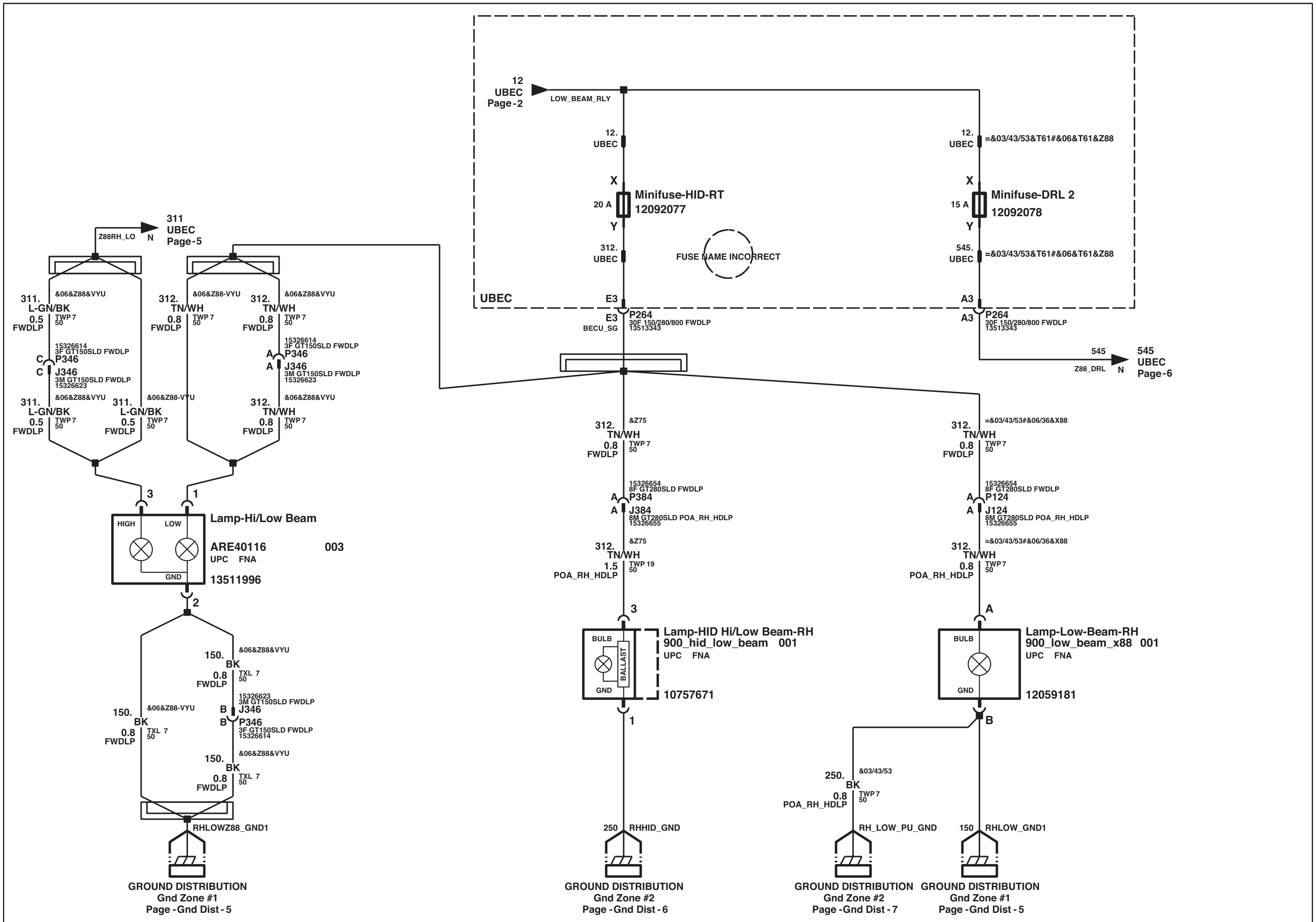
Tuesday, August 22, 2006
8:52:28 am 6
IEC/ESI

Lights - Exterior: Headlamps

1_08_lgt_ext_hdlp Panel 2 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps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12.
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20 A
Minifuse-HID-RT
12092077
Y
X
15 A
Minifuse-DRL 2
12092078
Y
312.
UBEC
FUSE NAME INCORRECT
545.
UBEC
=&03/43/53&T61#&06&T61&Z88
UBEC
E3
E3
P264
30F 150/280/800 FWDLP
13513343
BECU_SG
A3
A3
P264
30F 150/280/800 FWDLP
13513343
545
Z88_DRL
N
545
UBEC
Page - 6
311
UBEC
Page - 5
Z88RH_LO
N
311.
L-GN/BK
0.5
FWDLP
&06&Z88&VYU
TWP 7
50
15326614
3F GT150SLD FWDLP
C
P346
C
J346
3M GT150SLD FWDLP
15326623
311.
L-GN/BK
0.5
FWDLP
&06&Z88&VYU
TWP 7
50
311.
L-GN/BK
0.5
FWDLP
&06&Z88-VYU
TWP 7
50
312.
TN/WH
0.8
FWDLP
&06&Z88-VYU
TWP 7
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TN/WH
0.8
FWDLP
&06&Z88&VYU
TWP 7
50
15326614
3F GT150SLD FWDLP
A
P346
A
J346
3M GT150SLD FWDLP
15326623
312.
TN/WH
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FWDLP
&06&Z88&VYU
TWP 7
50
3
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Lamp-Hi/Low Beam
HIGH
LOW
GND
ARE40116
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UPC FNA
13511996
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150.
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FWDLP
&06&Z88&VYU
TXL 7
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J346
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P346
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TXL 7
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TXL 7
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Gnd Zone #1
Page - Gnd Dist - 5
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TN/WH
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&Z75
TWP 7
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A
P384
A
J384
8M GT280SLD POA_RH_HDLP
15326655
312.
TN/WH
1.5
POA_RH_HDLP
&Z75
TWP 19
50
3
Lamp-HID Hi/Low Beam-RH
900_hid_low_beam 001
UPC FNA
BULB
BALLAST
GND
10757671
1
250
RHHID_GND
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6
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TN/WH
0.8
FWDLP
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TWP 7
50
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A
P124
A
J124
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TN/WH
0.8
POA_RH_HDLP
=&03/43/53#&06/36&X88
TWP 7
50
A
Lamp-Low-Beam-RH
900_low_beam_x88 001
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BULB
GND
12059181
B
250.
BK
0.8
POA_RH_HDLP
&03/43/53
TWP 7
50
RH_LOW_PU_GND
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 7
150
RHLOW_GND1
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5

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003
GMT900
GM Proprietary

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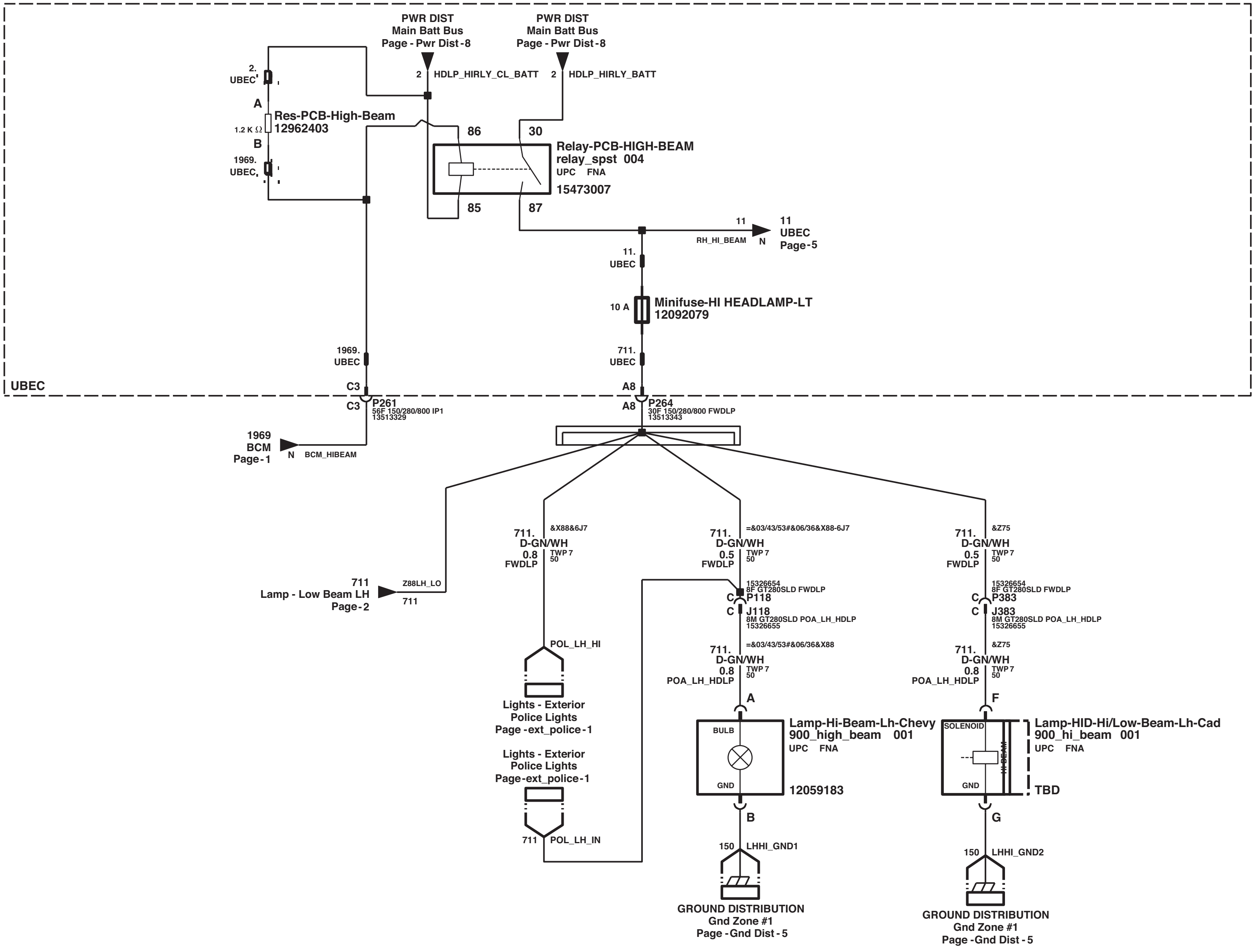
IEC/ESI

Lights - Exterior: Headlamps
1_08_lgt_ext_hdlp Panel 3 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps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Main Batt Bus
Page - Pwr Dist - 8
2 HDLP_HIRLY_CL_BATT
PWR DIST
Main Batt Bus
Page - Pwr Dist - 8
2 HDLP_HIRLY_BATT
2.
UBEC
A
Res-PCB-High-Beam
12962403
1.2 K Ω
B
1969.
UBEC
86
30
Relay-PCB-HIGH-BEAM
relay_spst 004
UPC FNA
15473007
85
87
11
RH_HI_BEAM
N
11
UBEC
Page - 5
11.
UBEC
10 A
Minifuse-HI HEADLAMP-LT
12092079
1969.
UBEC
711.
UBEC
UBEC
C3
A8
C3
P261
56F 150/280/800 IP1
13513329
A8
P264
30F 150/280/800 FWDLP
13513343
1969
BCM
Page - 1
N BCM_HIBEAM
711
Lamp - Low Beam LH
Page - 2
Z88LH_LO
711
&X88&6J7
711.
D-GN/WH
0.8
FWDLP
TWP 7
50
POL_LH_HI
Lights - Exterior
Police Lights
Page - ext_police - 1
Lights - Exterior
Police Lights
Page - ext_police - 1
711 POL_LH_IN
=&03/43/53#&06/36&X88-6J7
711.
D-GN/WH
0.5
FWDLP
TWP 7
50
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8F GT280SLD FWDLP
C P118
C J118
8M GT280SLD POA_LH_HDLP
15326655
=&03/43/53#&06/36&X88
711.
D-GN/WH
0.8
POA_LH_HDLP
TWP 7
50
A
BULB
GND
Lamp-Hi-Beam-Lh-Chevy
900_high_beam 001
UPC FNA
12059183
B
150 LHHI_GND1
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5
&Z75
711.
D-GN/WH
0.5
FWDLP
TWP 7
50
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8F GT280SLD FWDLP
C P383
C J383
8M GT280SLD POA_LH_HDLP
15326655
&Z75
711.
D-GN/WH
0.8
POA_LH_HDLP
TWP 7
50
F
SOLENOID
HI BEAM
GND
Lamp-HID-Hi/Low-Beam-Lh-Cad
900_hi_beam 001
UPC FNA
TBD
G
150 LHHI_GND2
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5

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003
GMT900
GM Proprietary

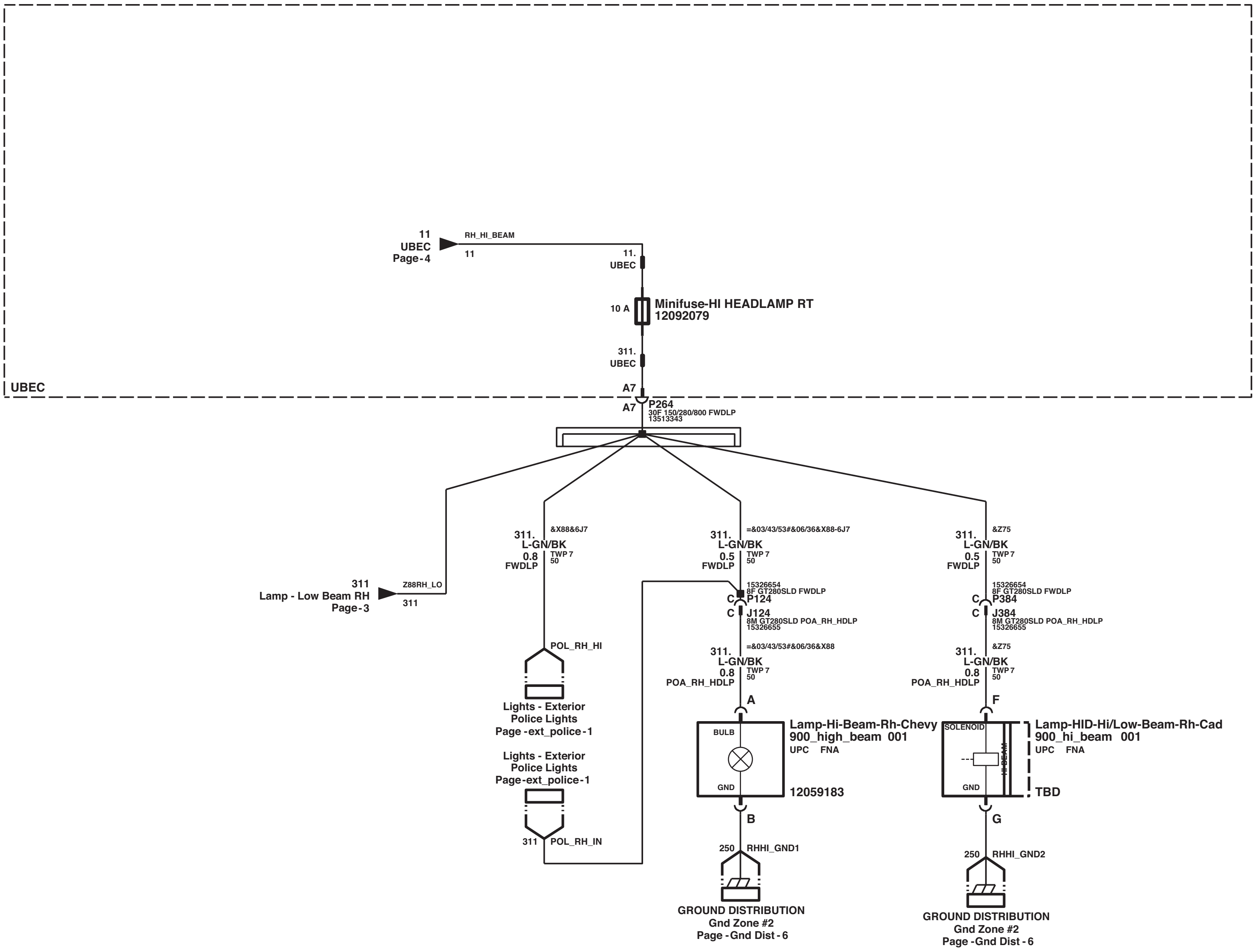
Tuesday, August 22, 2006
8:52:28 am 6
IEC/ESI

Lights - Exterior: Headlamps

1_08_lgt_ext_hdlp Panel 4 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps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UBEC
Page-4
RH_HI_BEAM
11
11.
UBEC
10 A
Minifuse-HI HEADLAMP RT
12092079
311.
UBEC
UBEC
A7
A7
P264
30F 150/280/800 FWDLP
13513343
311
Lamp - Low Beam RH
Page-3
Z88RH_LO
311
311.
L-GN/BK
0.8
FWDLP
&X88&6J7
TWP 7
50
POL_RH_HI
Lights - Exterior
Police Lights
Page -ext_police-1
Lights - Exterior
Police Lights
Page-ext_police-1
311
POL_RH_IN
311.
L-GN/BK
0.5
FWDLP
=&03/43/53#&06/36&X88-6J7
TWP 7
50
15326654
8F GT280SLD FWDLP
C
P124
C
J124
8M GT280SLD POA_RH_HDLP
15326655
311.
L-GN/BK
0.8
POA_RH_HDLP
=&03/43/53#&06/36&X88
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50
A
BULB
GND
Lamp-Hi-Beam-Rh-Chevy
900_high_beam 001
UPC FNA
12059183
B
250
RHHI_GND1
GROUND DISTRIBUTION
Gnd Zone #2
Page -Gnd Dist - 6
311.
L-GN/BK
0.5
FWDLP
&Z75
TWP 7
50
15326654
8F GT280SLD FWDLP
C
P384
C
J384
8M GT280SLD POA_RH_HDLP
15326655
311.
L-GN/BK
0.8
POA_RH_HDLP
&Z75
TWP 7
50
F
SOLENOID
HI BEAM
GND
Lamp-HID-Hi/Low-Beam-Rh-Cad
900_hi_beam 001
UPC FNA
TBD
G
250
RHHI_GND2
GROUND DISTRIBUTION
Gnd Zone #2
Page -Gnd Dist - 6

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003
GMT900
GM Proprietary

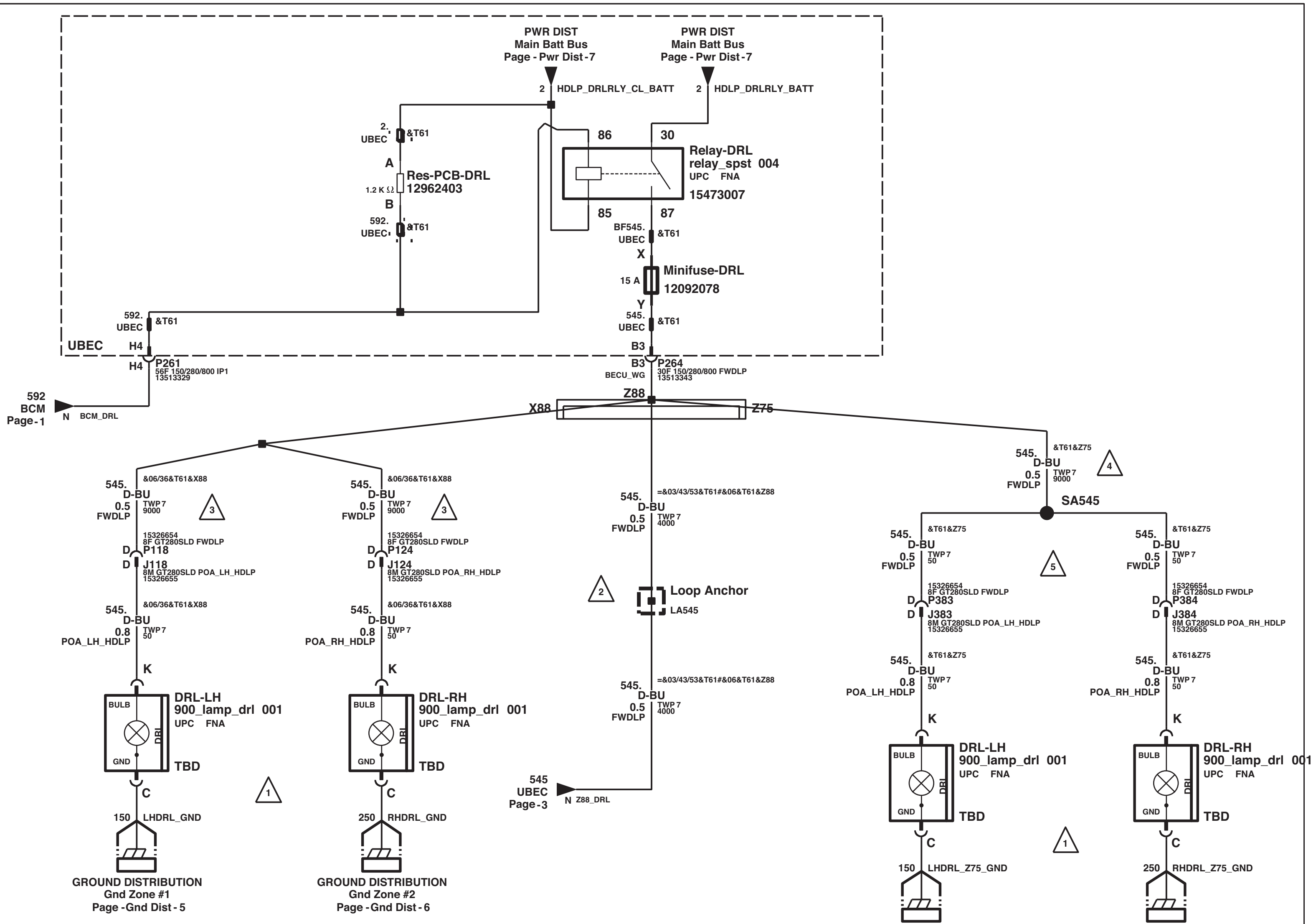
Tuesday, August 22, 2006
8:52:28 am 6
IEC/ESI

Lights - Exterior: Headlamps

1_08_lgt_ext_hdlp Panel 5 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Headlamps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Main Batt Bus
Page - Pwr Dist - 7
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PWR DIST
Main Batt Bus
Page - Pwr Dist - 7
2 HDLP_DRLRLY_BATT
2. UBEC &T61
A
Res-PCB-DRL
12962403
1.2 K Ω
B
592. UBEC &T61
86
30
Relay-DRL
relay_spst 004
UPC FNA
15473007
85
87
BF545. UBEC &T61
X
Minifuse-DRL
15 A
12092078
Y
545. UBEC &T61
592. UBEC &T61
UBEC
H4
H4
P261
56F 150/280/800 IP1
13513329
B3
B3
P264
BECU_WG
30F 150/280/800 FWDLP
13513343
592
BCM
Page - 1
N BCM_DRL
Z88
X88
Z75
545. D-BU 0.5 FWDLP
&06/36&T61&X88
TWP 7 9000
3
15326654
8F GT280SLD FWDLP
D P118
D J118
8M GT280SLD POA_LH_HDLP
15326655
545. D-BU 0.8 POA_LH_HDLP
&06/36&T61&X88
TWP 7 50
K
DRL-LH
900_lamp_drl 001
UPC FNA
BULB
DRL
GND
TBD
C
1
150 LHDRL_GND
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5
545. D-BU 0.5 FWDLP
&06/36&T61&X88
TWP 7 9000
3
15326654
8F GT280SLD FWDLP
D P124
D J124
8M GT280SLD POA_RH_HDLP
15326655
545. D-BU 0.8 POA_RH_HDLP
&06/36&T61&X88
TWP 7 50
K
DRL-RH
900_lamp_drl 001
UPC FNA
BULB
DRL
GND
TBD
C
250 RHDRL_GND
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6
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TWP 7 4000
2
Loop Anchor
LA545
545. D-BU 0.5 FWDLP
=&03/43/53&T61#&06&T61&Z88
TWP 7 4000
545
UBEC
Page - 3
N Z88_DRL
545. D-BU 0.5 FWDLP
&T61&Z75
TWP 7 9000
4
SA545
545. D-BU 0.5 FWDLP
&T61&Z75
TWP 7 50
5
15326654
8F GT280SLD FWDLP
D P383
D J383
8M GT280SLD POA_LH_HDLP
15326655
545. D-BU 0.8 POA_LH_HDLP
&T61&Z75
TWP 7 50
K
DRL-LH
900_lamp_drl 001
UPC FNA
BULB
DRL
GND
TBD
C
1
150 LHDRL_Z75_GND
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5
545. D-BU 0.5 FWDLP
&T61&Z75
TWP 7 50
15326654
8F GT280SLD FWDLP
D P384
D J384
8M GT280SLD POA_RH_HDLP
15326655
545. D-BU 0.8 POA_RH_HDLP
&T61&Z75
TWP 7 50
K
DRL-RH
900_lamp_drl 001
UPC FNA
BULB
DRL
GND
TBD
C
250 RHDRL_Z75_GND
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6

NOTES

- 1 – LOW BEAM DRL ONLY ALLOWED WITH INCANDESCENT LOW BEAMS
- 2 – THE TOTAL LENGTH OF THE "LOOPED" WIRE FOR GMC IS TO BE 8.0 METERS TO ACHEIVE THE PROPER DRL VOLTAGE.
- 3 – THE TOTAL LENGTH OF EACH CHEVY DRL WIRES IS TO BE 9.0 METERS TO ACHEIVE THE PROPER DRL VOLTAGE.
- 4 – THE TOTAL LENGTH OF CADILLAC DRL WIRE IS TO BE 9.0 METERS TO ACHEIVE THE PROPER DRL VOLTAGE.
- 5 – SPLICE TO BE CENTERED BETWEEN TWO DRL LAMPS TO EQUALIZE VOLTAGES.

ARE16409
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GMT900
GM Proprietary

Tuesday, August 22, 2006
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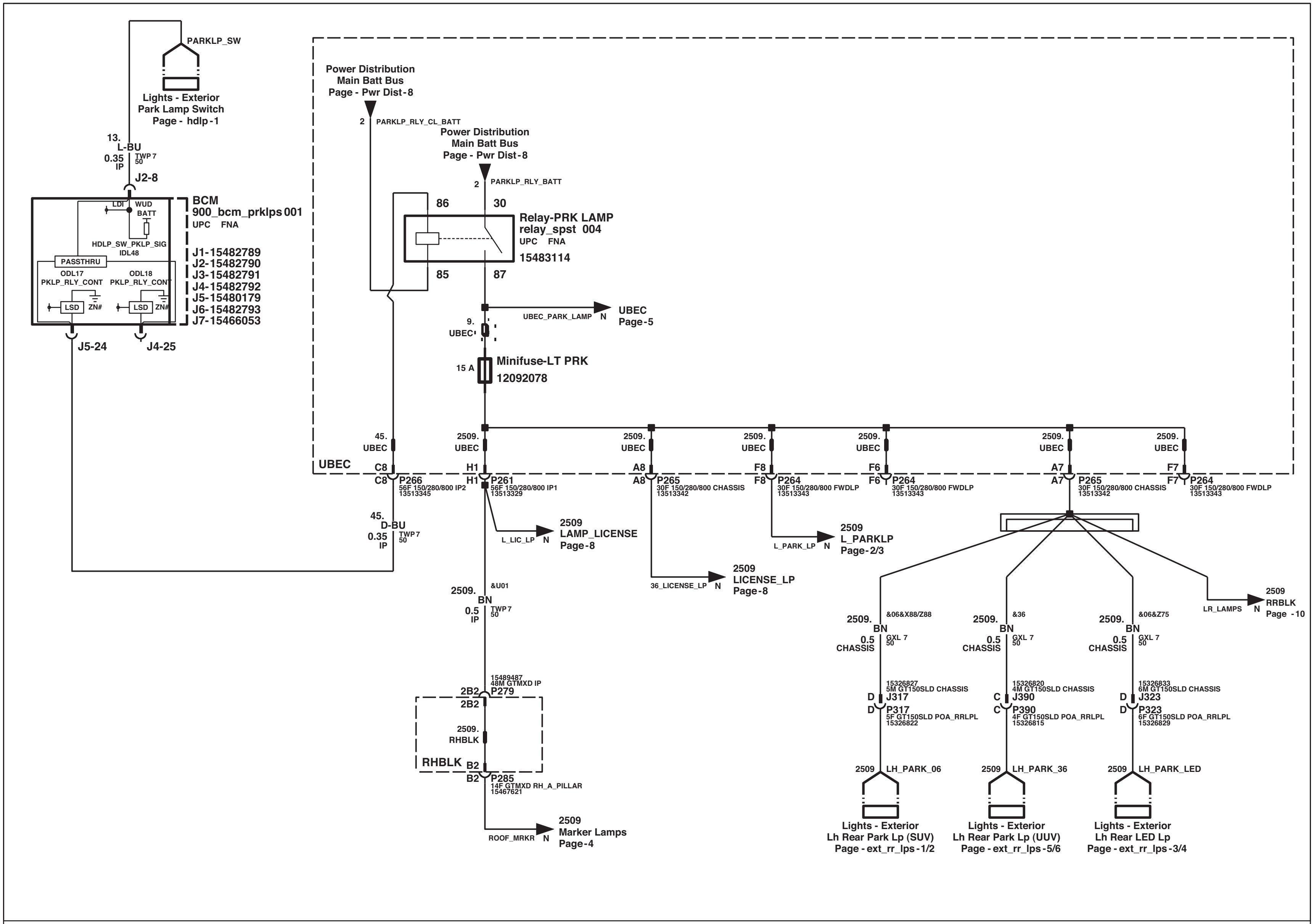
IEC/ESI

Lights - Exterior: Headlamps
1_08_lgt_ext_hdlp Panel 6 of 6

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Park Lamps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Lights - Exterior
Park Lamp Switch
Page - hdlp - 1
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L-BU
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IP
TWP 7
50
J2-8
BCM
900_bcm_prklps 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
LDI
WUD
BATT
HDLP_SW_PKLP_SIG
IDL48
PASSTHRU
ODL17
PKLP_RLY_CONT
ODL18
PKLP_RLY_CONT
LSD
ZN#
LSD
ZN#
J5-24
J4-25
Power Distribution
Main Batt Bus
Page - Pwr Dist - 8
2
PARKLP_RLY_CL_BATT
Power Distribution
Main Batt Bus
Page - Pwr Dist - 8
2
PARKLP_RLY_BATT
86
30
85
87
Relay-PRK LAMP
relay_spst 004
UPC FNA
15483114
UBEC_PARK_LAMP N
UBEC
Page - 5
9.
UBEC
15 A
Minifuse-LT PRK
12092078
45.
UBEC
2509.
UBEC
2509.
UBEC
2509.
UBEC
2509.
UBEC
2509.
UBEC
2509.
UBEC
UBEC
C8
C8
P266
56F 150/280/800 IP2
13513345
H1
H1
P261
56F 150/280/800 IP1
13513329
A8
A8
P265
30F 150/280/800 CHASSIS
13513342
F8
F8
P264
30F 150/280/800 FWDLP
13513343
F6
F6
P264
30F 150/280/800 FWDLP
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A7
A7
P265
30F 150/280/800 CHASSIS
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F7
F7
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30F 150/280/800 FWDLP
13513343
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D-BU
0.35
IP
TWP 7
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L_LIC_LP N
2509
LAMP_LICENSE
Page - 8
L_PARK_LP N
2509
L_PARKLP
Page - 2/3
36_LICENSE_LP N
2509
LICENSE_LP
Page - 8
LR_LAMPS N
2509
RRBLK
Page - 10
2509.
&U01
BN
0.5
IP
TWP 7
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15489487
48M GTMXD IP
2B2
P279
2B2
2509.
RHBLK
RHBLK
B2
B2
P285
14F GTMXD RH_A_PILLAR
15467621
ROOF_MRKR N
2509
Marker Lamps
Page - 4
2509.
&06&X88/Z88
BN
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CHASSIS
GXL 7
50
2509.
&36
BN
0.5
CHASSIS
GXL 7
50
2509.
&06&Z75
BN
0.5
CHASSIS
GXL 7
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15326827
5M GT150SLD CHASSIS
D
J317
D
P317
5F GT150SLD POA_RRLPL
15326822
15326820
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C
J390
C
P390
4F GT150SLD POA_RRLPL
15326815
15326833
6M GT150SLD CHASSIS
D
J323
D
P323
6F GT150SLD POA_RRLPL
15326829
2509 LH_PARK_06
2509 LH_PARK_36
2509 LH_PARK_LED
Lights - Exterior
Lh Rear Park Lp (SUV)
Page - ext_rr_lps - 1/2
Lights - Exterior
Lh Rear Park Lp (UUV)
Page - ext_rr_lps - 5/6
Lights - Exterior
Lh Rear LED Lp
Page - ext_rr_lps - 3/4

ARE16410
003
GMT900
GM Proprietary

Thursday, June 29, 2006
2:29:08 pm 2
IEC/ESI

Lights - Exterior: Park Lamps

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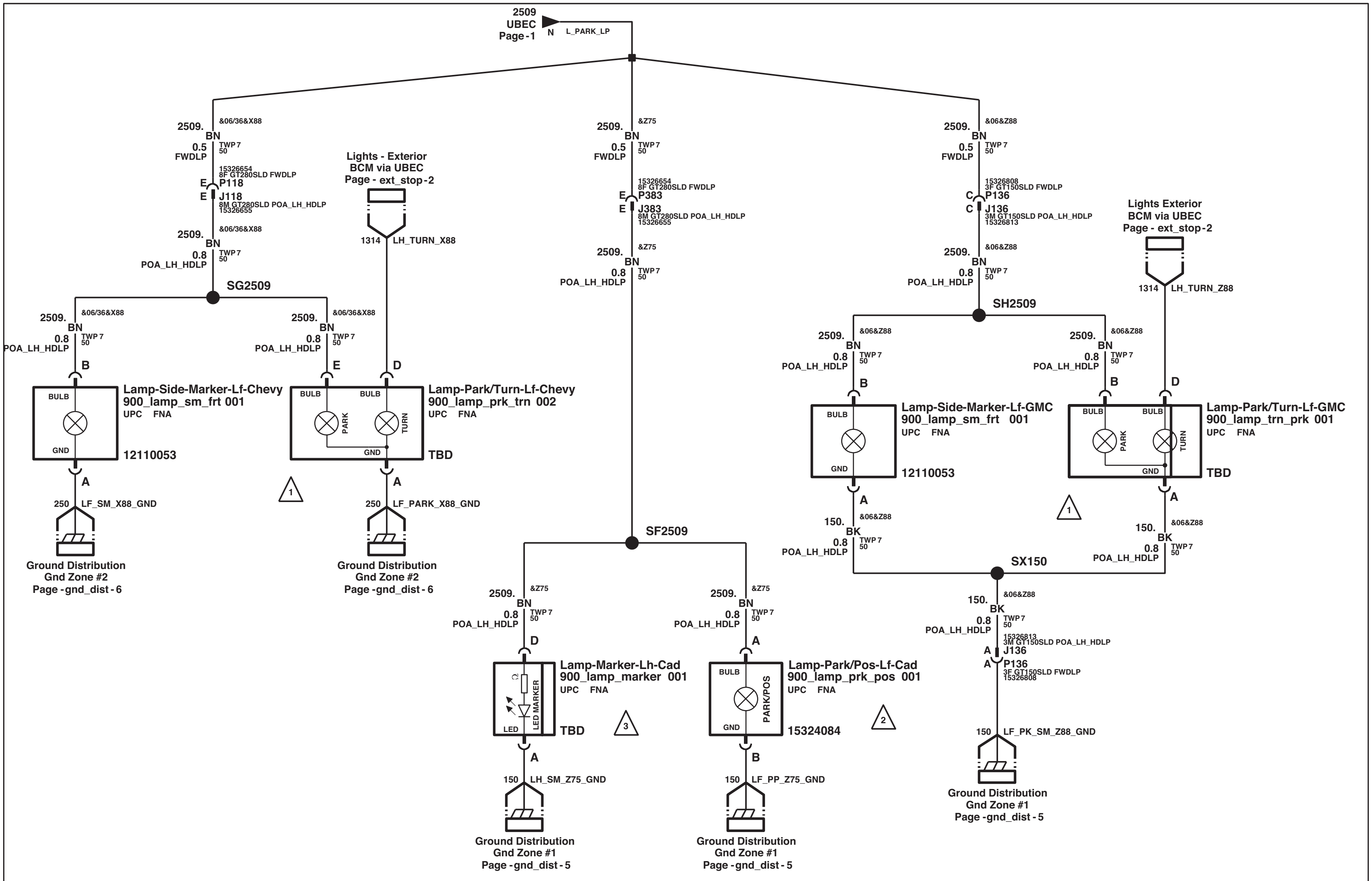
2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps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P118
E
J118
8M GT280SLD POA_LH_HDLP
15326655
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BN
&06/36&X88
0.8
POA_LH_HDLP
TWP 7
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SG2509
Lights - Exterior
BCM via UBEC
Page - ext_stop - 2
1314
LH_TURN_X88
2509.
BN
&06/36&X88
0.8
POA_LH_HDLP
TWP 7
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Lamp-Side-Marker-Lf-Chevy
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BULB
GND
12110053
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250
LF_SM_X88_GND
Ground Distribution
Gnd Zone #2
Page - gnd_dist - 6
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&06/36&X88
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POA_LH_HDLP
TWP 7
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E
D
Lamp-Park/Turn-Lf-Chevy
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BULB
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PARK
TURN
GND
TBD
1
A
250
LF_PARK_X88_GND
Ground Distribution
Gnd Zone #2
Page - gnd_dist - 6
2509.
BN
&Z75
0.5
FWDLP
TWP 7
50
15326654
8F GT280SLD FWDLP
E
P383
E
J383
8M GT280SLD POA_LH_HDLP
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BN
&Z75
0.8
POA_LH_HDLP
TWP 7
50
SF2509
2509.
BN
&Z75
0.8
POA_LH_HDLP
TWP 7
50
D
Lamp-Marker-Lh-Cad
900_lamp_marker 001
UPC FNA
Ω
LED MARKER
LED
TBD
3
A
150
LH_SM_Z75_GND
Ground Distribution
Gnd Zone #1
Page - gnd_dist - 5
2509.
BN
&Z75
0.8
POA_LH_HDLP
TWP 7
50
A
Lamp-Park/Pos-Lf-Cad
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BULB
PARK/POS
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Ground Distribution
Gnd Zone #1
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P136
C
J136
3M GT150SLD POA_LH_HDLP
15326813
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BN
&06&Z88
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POA_LH_HDLP
TWP 7
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SH2509
Lights Exterior
BCM via UBEC
Page - ext_stop - 2
1314
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LF_PK_SM_Z88_GND
Ground Distribution
Gnd Zone #1
Page - gnd_dist - 5

NOTES

- 1 – FRONT PARK/POS LAMPS & FRONT SIDE MARKER LAMPS WILL BE
- – POA HEADLAMP FOR CHEVY UTILITY AND GMC ALL.
- 2 – DOMESTIC=PARK, EXPORT=POSITION
- 3 – FRONT SIDE MARKER LAMPS WILL BE LED & POA HEADLAMP FOR CADILLAC

ARE16410
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2:29:08 pm 2
IEC/ESI

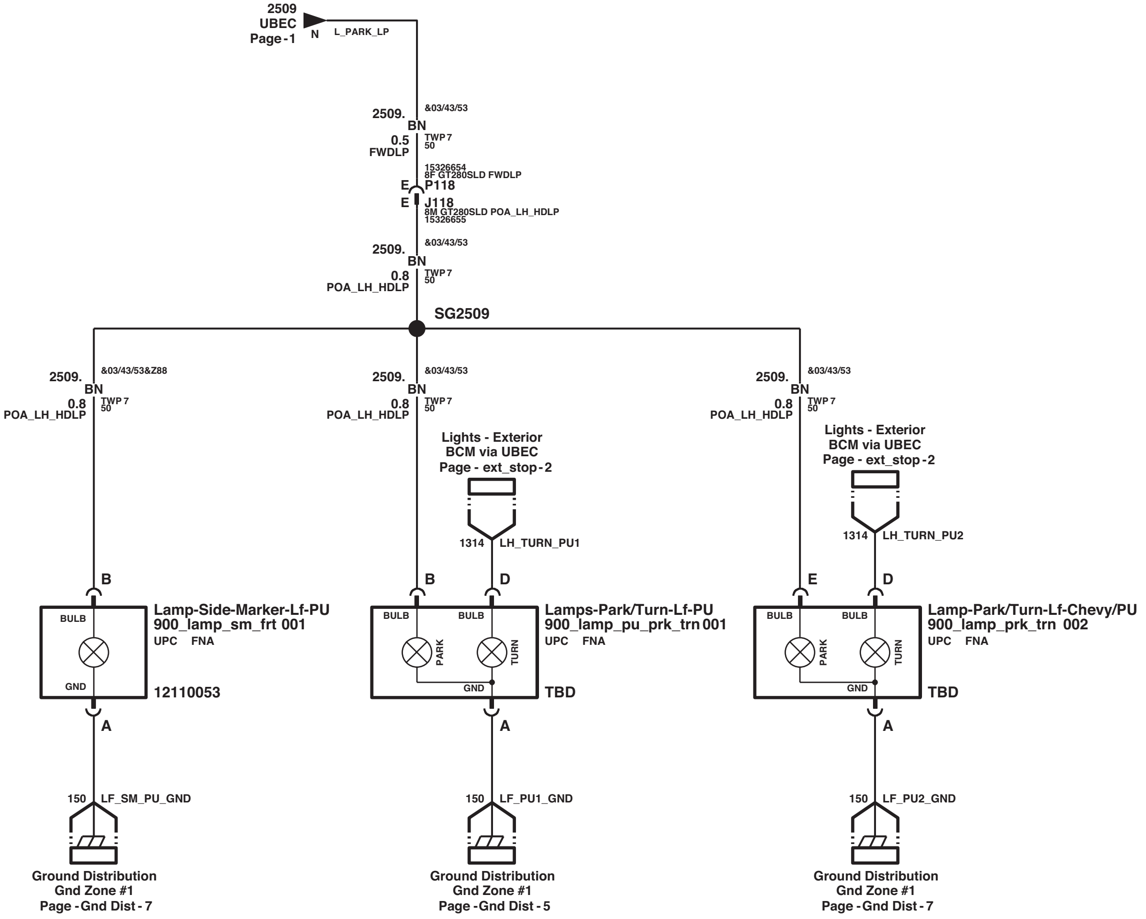
Lights - Exterior: Park Lamps

1_08_lgt_ext_park Panel 2 of 10

2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps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&03/43/53
TWP 7
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Lights - Exterior
BCM via UBEC
Page - ext_stop - 2
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Lights - Exterior
BCM via UBEC
Page - ext_stop - 2
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GND
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Ground Distribution
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Page - Gnd Dist - 7
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Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
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LF_PU2_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 7

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Lights - Exterior: Park Lamps

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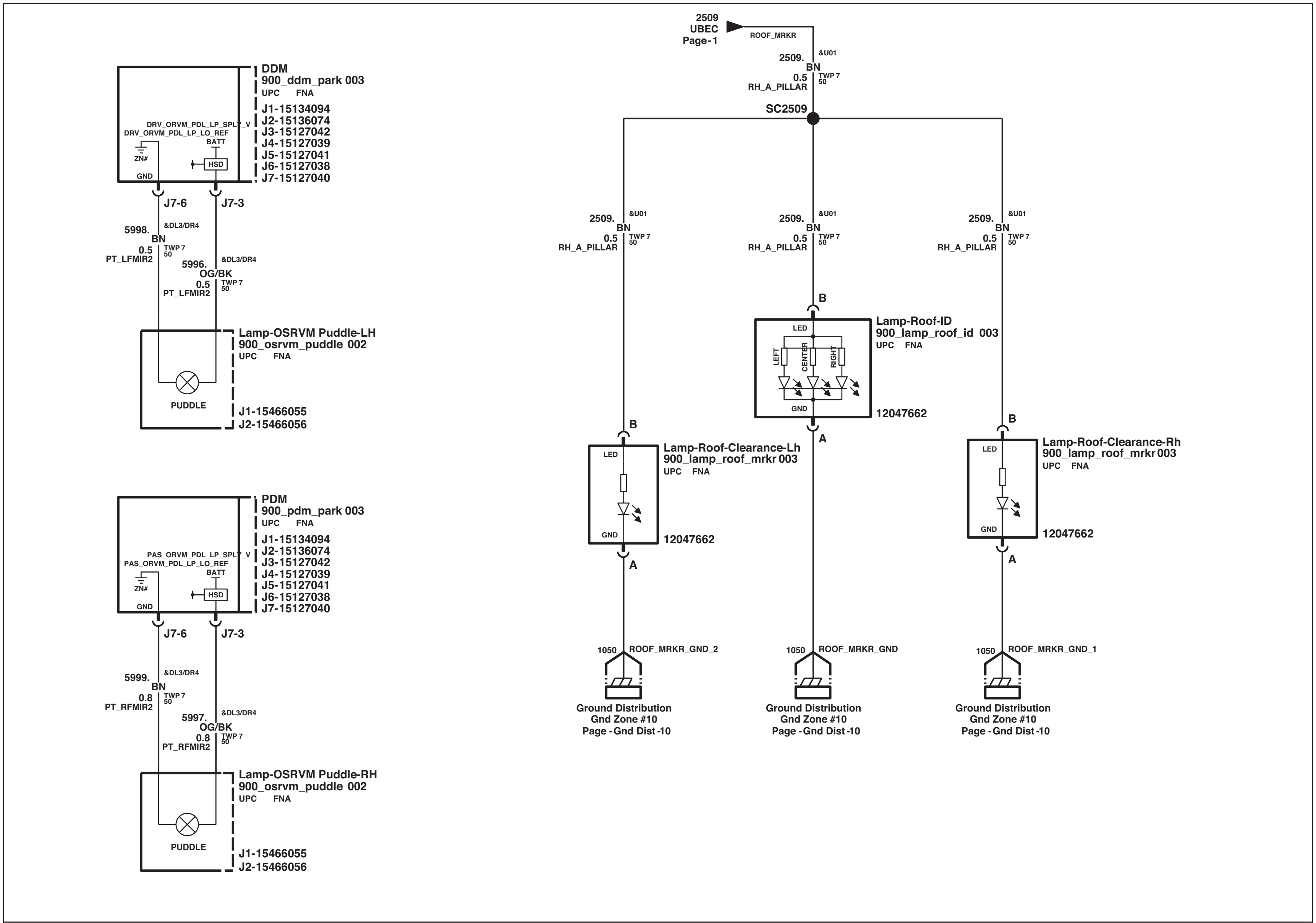
2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps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Ground Distribution
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Page -Gnd Dist -10
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -10
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -10

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Lights - Exterior: Park Lamps

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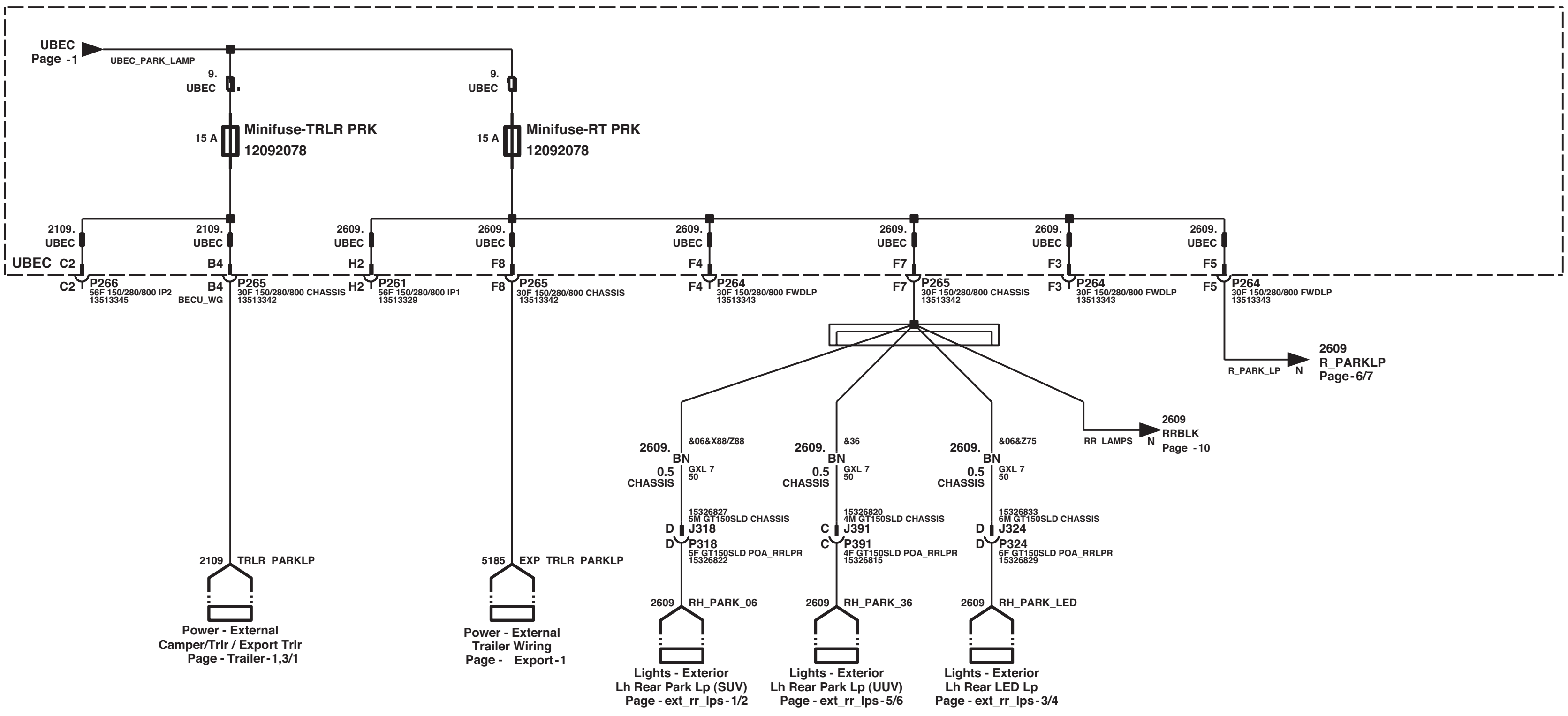
System Status: Object Status:

Lights – Exterior: Park Lamps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C2
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P391
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RH_PARK_36
2609
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Power - External
Camper/Trlr / Export Trlr
Page - Trailer-1,3/1
Power - External
Trailer Wiring
Page - Export-1
Lights - Exterior
Lh Rear Park Lp (SUV)
Page - ext_rr_lps-1/2
Lights - Exterior
Lh Rear Park Lp (UUV)
Page - ext_rr_lps-5/6
Lights - Exterior
Lh Rear LED Lp
Page - ext_rr_lps-3/4

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003
GMT900
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IEC/ESI

Lights - Exterior: Park Lamps

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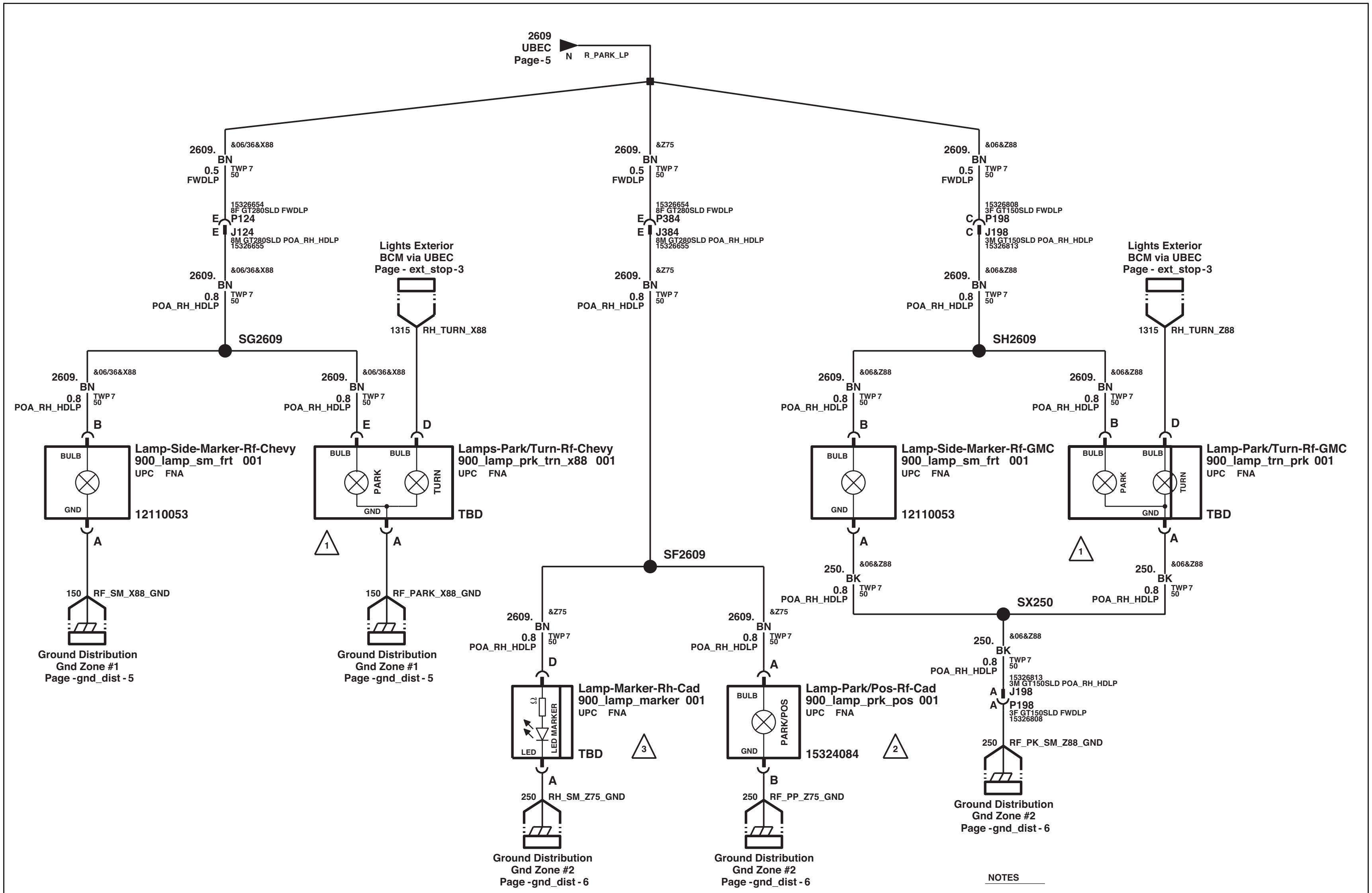
2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps



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D
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A P198
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RF_PK_SM_Z88_GND
Gnd Zone #2
Page - gnd_dist - 6

NOTES

- • 1 – FRONT PARK/POS LAMPS & FRONT SIDE MARKER LAMPS WILL BE
- • – POA HEADLAMP FOR CHEVY UTILITY AND GMC ALL.
- • 2 – DOMESTIC=PARK, EXPORT=POSITION
- • 3 – FRONT SIDE MARKER LAMPS WILL BE LED & POA HEADLAMP FOR CADILLAC

ARE16410
003
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2:29:08 pm 2
IEC/ESI

Lights - Exterior: Park Lamps

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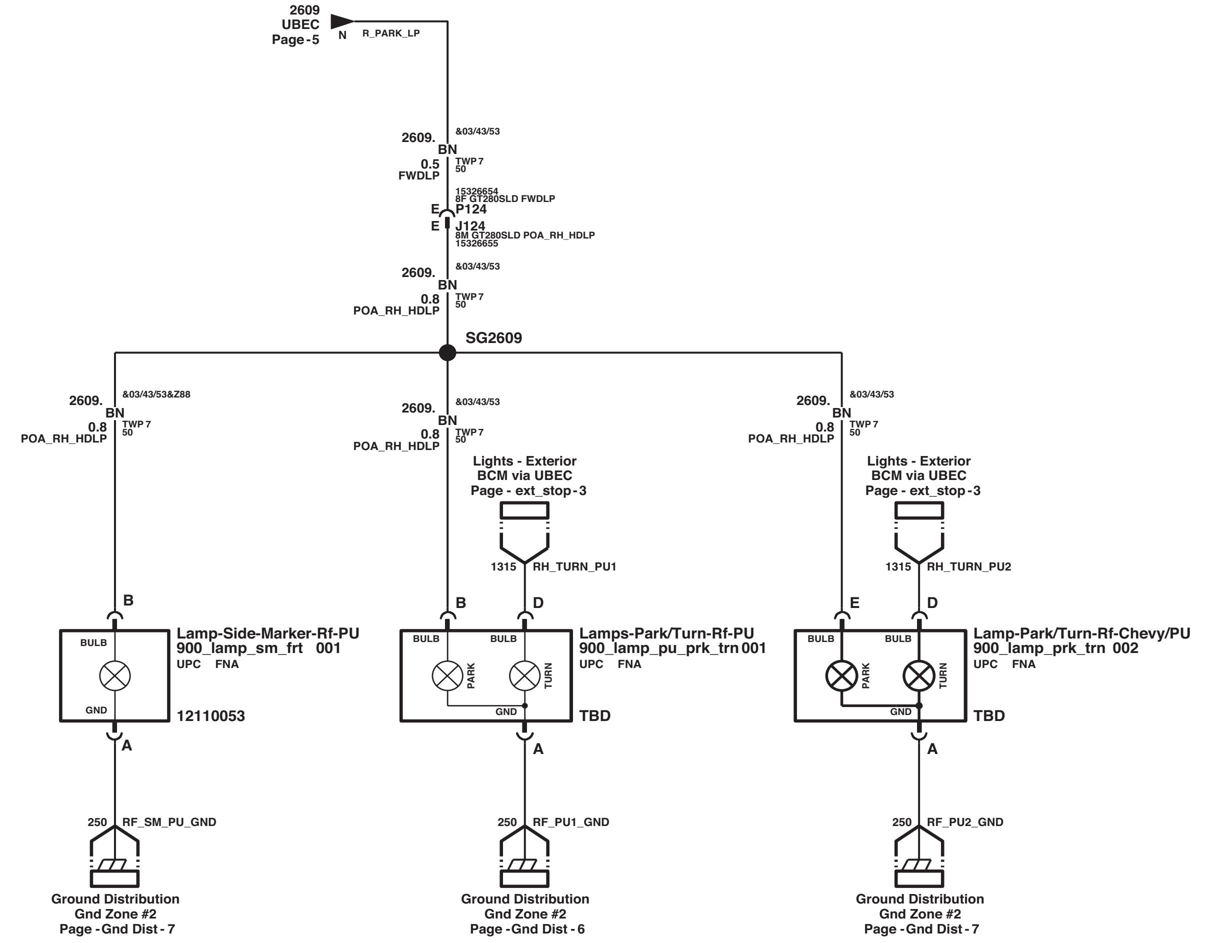
2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps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Lamp-Side-Marker-Rf-PU
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GND
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Gnd Zone #2
Page - Gnd Dist - 6
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 7

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003
GMT900
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2:29:08 pm 2
IEC/ESI

Lights - Exterior: Park Lamps

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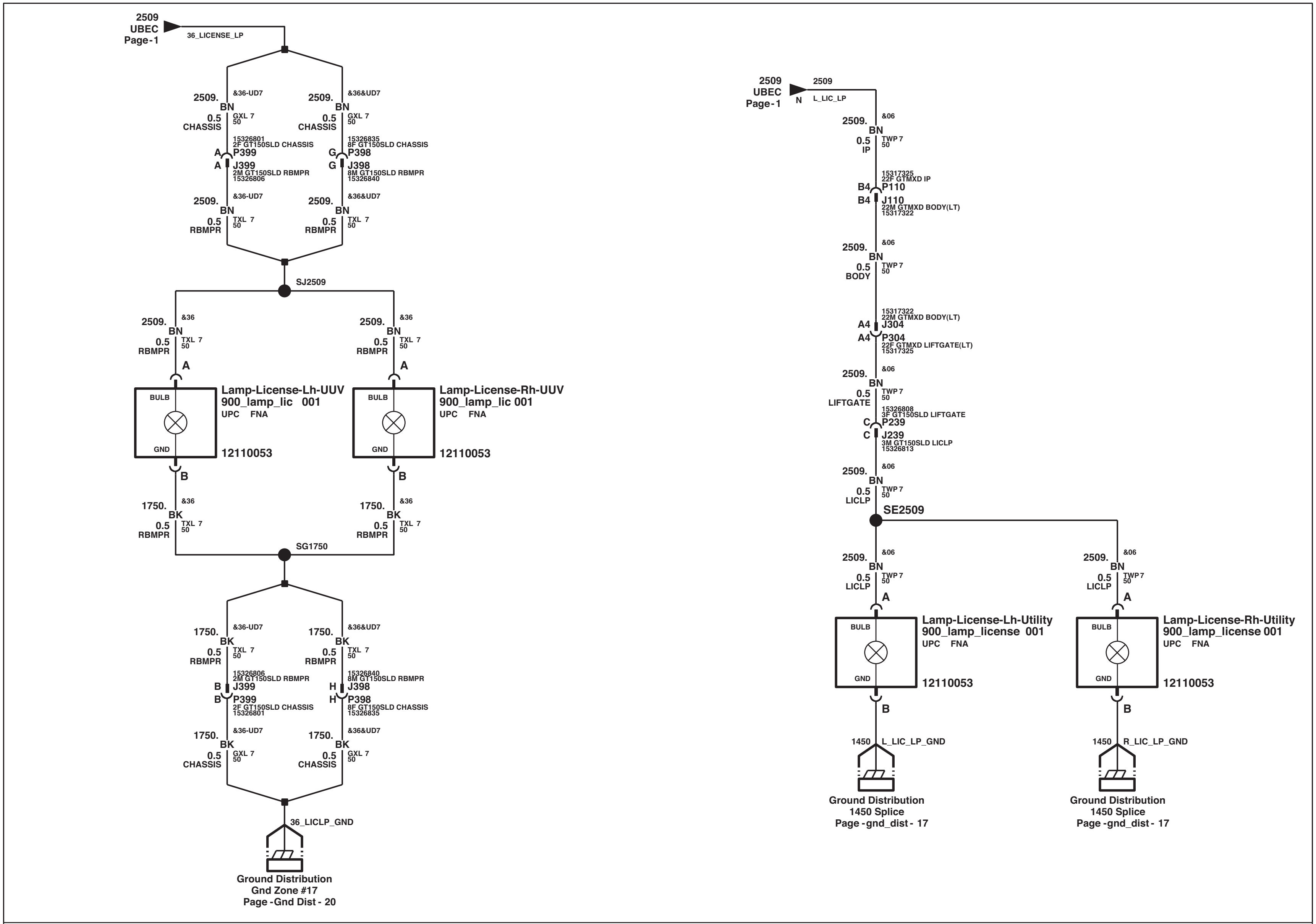
2008
GMT900

System Status: Object Status:

Lights – Exterior: Park Lamps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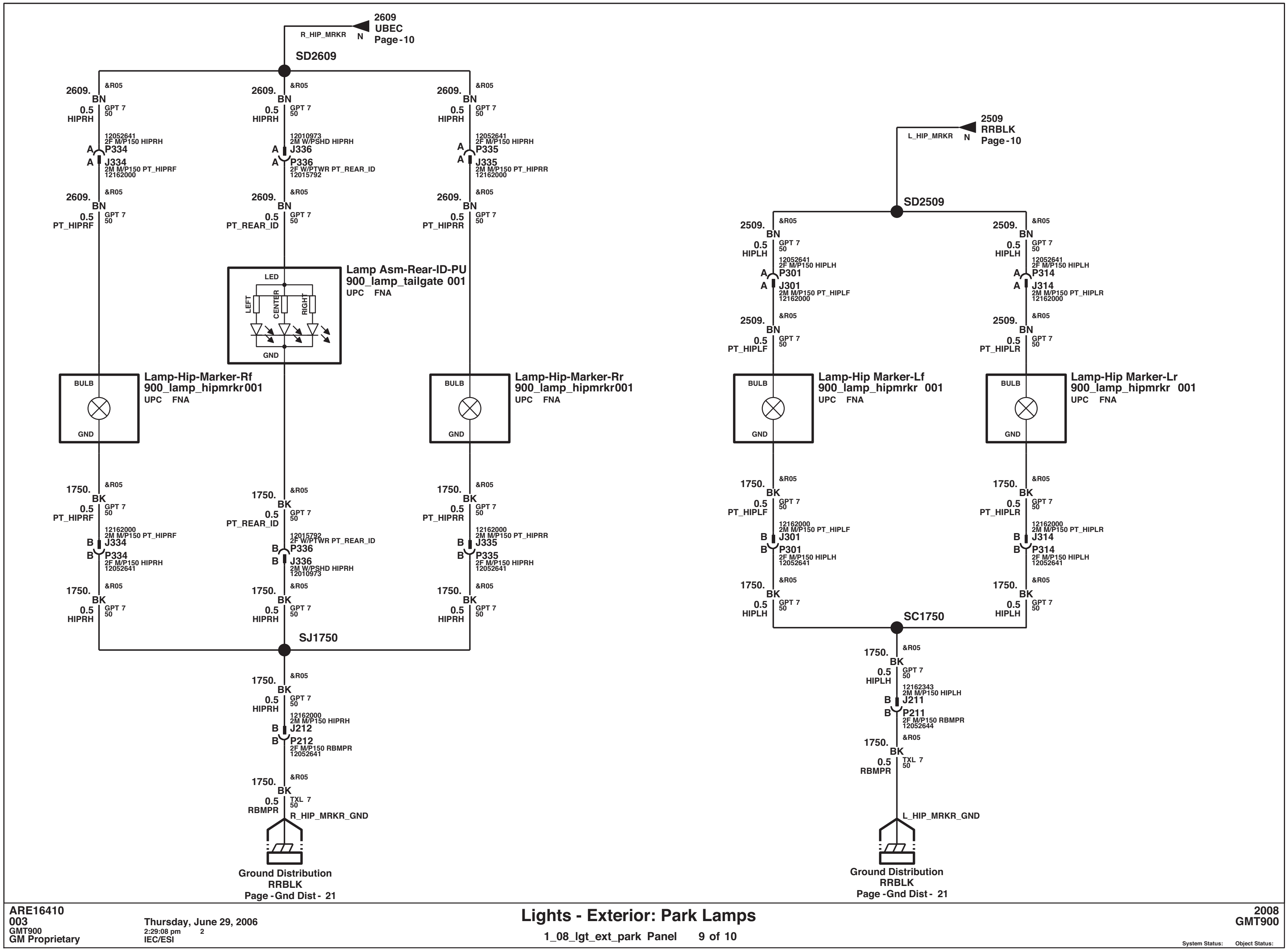
System Status: Object Status:

Lights – Exterior: Park Lamps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GMT900
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IEC/ESI
Lights - Exterior: Park Lamps
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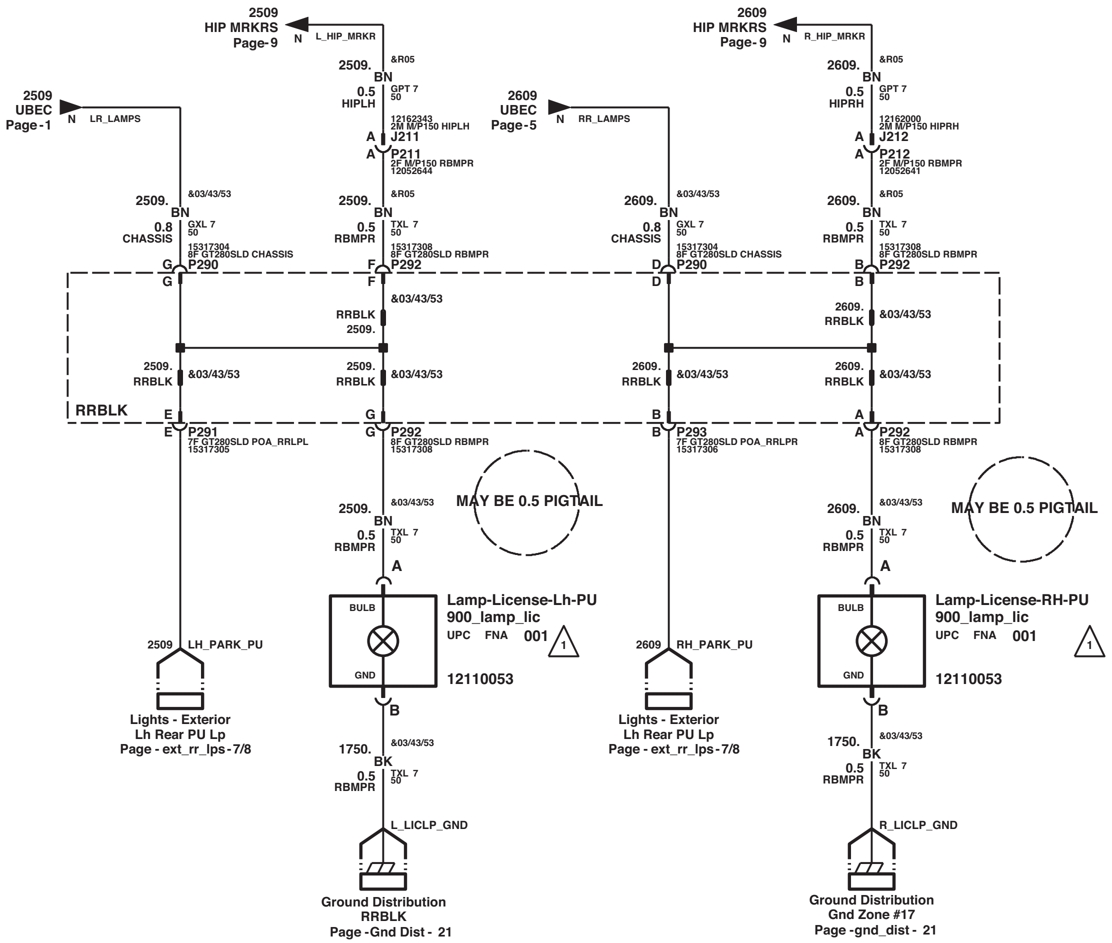
2008
GMT900
System Status:
Object Status:

Lights – Exterior: Park Lamps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Page-9
N R_HIP_MRKR
2609. &R05
BN
0.5 GPT 7 50
HIPRH
12162000
2M M/P150 HIPRH
A J212
A P212
2F M/P150 RBMPR
12052641
2609
UBEC
Page-5
N RR_LAMPS
2609. &03/43/53
BN
0.8 GXL 7 50
CHASSIS
15317304
8F GT280SLD CHASSIS
D P290
D
2609. &R05
BN
0.5 TXL 7 50
RBMPR
15317308
8F GT280SLD RBMPR
B P292
B
2609.
RRBLK &03/43/53
2609.
RRBLK &03/43/53
2609.
RRBLK &03/43/53
B
B P293
7F GT280SLD POA_RRLPR
15317306
A
A P292
8F GT280SLD RBMPR
15317308
MAY BE 0.5 PIGTAIL
2609. &03/43/53
BN
0.5 TXL 7 50
RBMPR
A
BULB
GND
Lamp-License-RH-PU
900_lamp_lic
UPC FNA 001
1
12110053
B
1750. &03/43/53
BK
0.5 TXL 7 50
RBMPR
R_LICLP_GND
Ground Distribution
Gnd Zone #17
Page -gnd_dist - 21
2609 RH_PARK_PU
Lights - Exterior
Lh Rear PU Lp
Page - ext_rr_lps - 7/8

NOTES

- 1 – LICENSE LAMPS ARE IN THE LIFTGATE FOR UTILITIES & IN THE BUMPER FOR PICKUP'S/UUV'S

ARE16410
003
GMT900
GM Proprietary

Thursday, June 29, 2006
2:29:08 pm 2
IEC/ESI

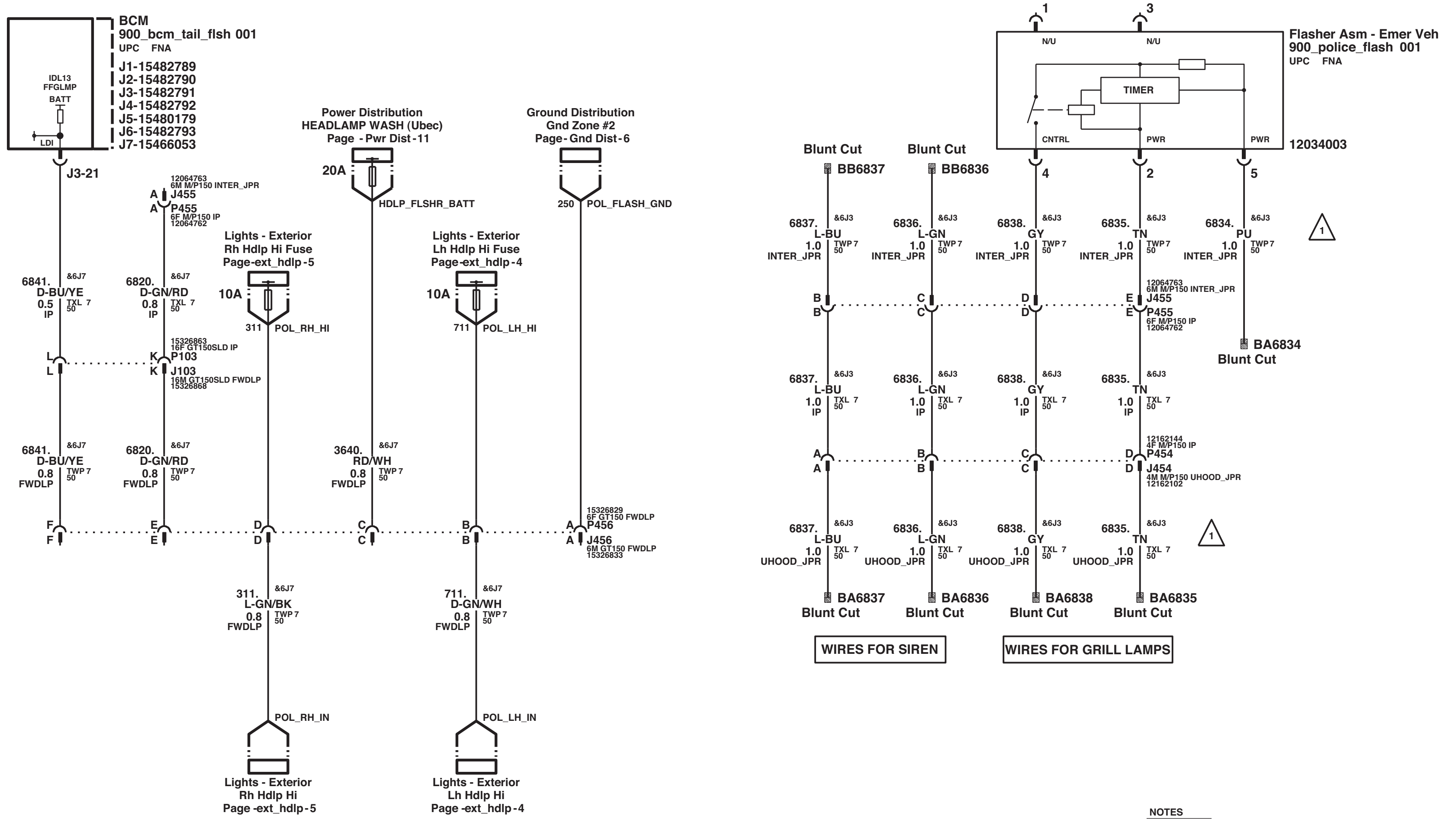
Lights - Exterior: Park Lamps

1_08_lgt_ext_park Panel 10 of 10

2008
GMT900

System Status: Object Status:

Lights – Exterior: Police Lighting Provisions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J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL13
FFGLMP
BATT
LDI
J3-21
12064763
6M M/P150 INTER_JPR
A J455
A P455
6F M/P150 IP
12064762
Power Distribution
HEADLAMP WASH (Ubec)
Page - Pwr Dist-11
20A
HDLP_FLSHR_BATT
Ground Distribution
Gnd Zone #2
Page- Gnd Dist-6
250 POL_FLASH_GND
Lights - Exterior
Rh Hdlp Hi Fuse
Page-ext_hdlp-5
10A
311 POL_RH_HI
Lights - Exterior
Lh Hdlp Hi Fuse
Page-ext_hdlp-4
10A
711 POL_LH_HI
6841. &6J7
D-BU/YE
0.5 TXL 7 50
IP
6820. &6J7
D-GN/RD
0.8 TXL 7 50
IP
15326863
16F GT150SLD IP
L K P103
L K J103
16M GT150SLD FWDLP
15326868
6841. &6J7
D-BU/YE
0.8 TWP 7 50
FWDLP
6820. &6J7
D-GN/RD
0.8 TWP 7 50
FWDLP
3640. &6J7
RD/WH
0.8 TWP 7 50
FWDLP
15326829
6F GT150 FWDLP
F E D C B A P456
F E D C B A J456
6M GT150 FWDLP
15326833
311. &6J7
L-GN/BK
0.8 TWP 7 50
FWDLP
711. &6J7
D-GN/WH
0.8 TWP 7 50
FWDLP
POL_RH_IN
POL_LH_IN
Lights - Exterior
Rh Hdlp Hi
Page -ext_hdlp-5
Lights - Exterior
Lh Hdlp Hi
Page -ext_hdlp-4
1
3
N/U
N/U
TIMER
CNTRL
PWR
PWR
Flasher Asm - Emer Veh
900_police_flash 001
UPC FNA
12034003
4
2
5
Blunt Cut
BB6837
Blunt Cut
BB6836
6837. &6J3
L-BU
1.0 TWP 7 50
INTER_JPR
6836. &6J3
L-GN
1.0 TWP 7 50
INTER_JPR
6838. &6J3
GY
1.0 TWP 7 50
INTER_JPR
6835. &6J3
TN
1.0 TWP 7 50
INTER_JPR
6834. &6J3
PU
1.0 TWP 7 50
INTER_JPR
1
12064763
6M M/P150 INTER_JPR
B C D E J455
B C D E P455
6F M/P150 IP
12064762
BA6834
Blunt Cut
6837. &6J3
L-BU
1.0 TXL 7 50
IP
6836. &6J3
L-GN
1.0 TXL 7 50
IP
6838. &6J3
GY
1.0 TXL 7 50
IP
6835. &6J3
TN
1.0 TXL 7 50
IP
12162144
4F M/P150 IP
A B C D P454
A B C D J454
4M M/P150 UHOOD_JPR
12162102
6837. &6J3
L-BU
1.0 TXL 7 50
UHOOD_JPR
6836. &6J3
L-GN
1.0 TXL 7 50
UHOOD_JPR
6838. &6J3
GY
1.0 TXL 7 50
UHOOD_JPR
6835. &6J3
TN
1.0 TXL 7 50
UHOOD_JPR
1
BA6837
Blunt Cut
BA6836
Blunt Cut
BA6838
Blunt Cut
BA6835
Blunt Cut
WIRES FOR SIREN
WIRES FOR GRILL LAMPS

NOTES
- 1 – JUMPER HARNESSES PROVIDED BY KERR INDUSTRIES.

ARE74253
003
GMT900
GM Proprietary

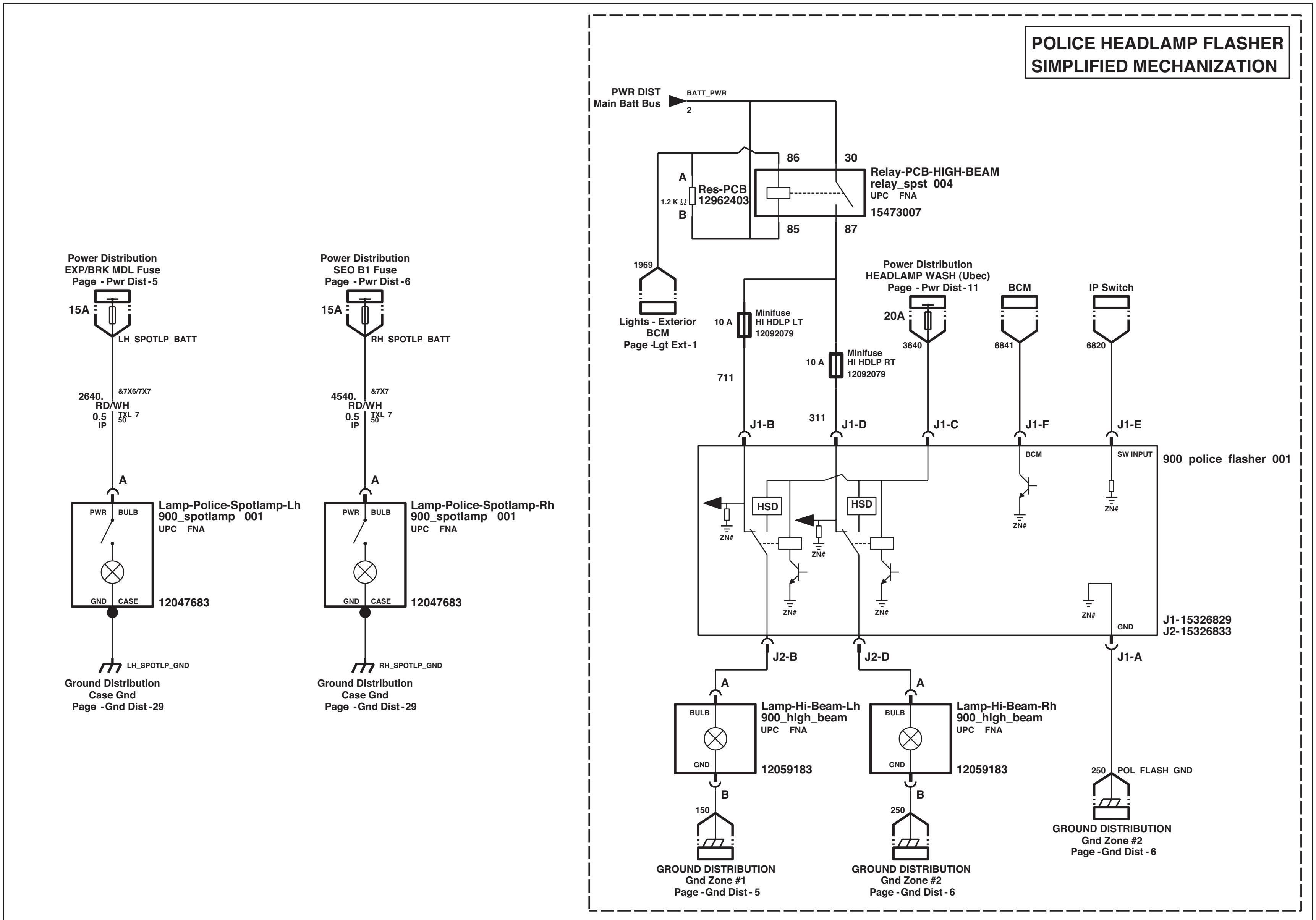
Tuesday, August 22, 2006
9:13:45 am 4
IEC/ESI

Lights - Exterior: Police Lighting Provisions

1_08_lgt_ext_police Panel 1 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Police Lighting Provisions


POLICE HEADLAMP FLASHER
SIMPLIFIED MECHANIZATION
Power Distribution
EXP/BRK MDL Fuse
Page - Pwr Dist - 5
15A
LH_SPOTLP_BATT
2640.
&7X6/7X7
RD/WH
0.5
IP
TXL 7
50
A
Lamp-Police-Spotlamp-Lh
900_spotlamp 001
UPC FNA
PWR
BULB
GND
CASE
12047683
LH_SPOTLP_GND
Ground Distribution
Case Gnd
Page - Gnd Dist - 29
Power Distribution
SEO B1 Fuse
Page - Pwr Dist - 6
15A
RH_SPOTLP_BATT
4540.
&7X7
RD/WH
0.5
IP
TXL 7
50
A
Lamp-Police-Spotlamp-Rh
900_spotlamp 001
UPC FNA
PWR
BULB
GND
CASE
12047683
RH_SPOTLP_GND
Ground Distribution
Case Gnd
Page - Gnd Dist - 29
PWR DIST
Main Batt Bus
BATT_PWR
2
86
30
85
87
A
B
1.2 K Ω
Res-PCB
12962403
Relay-PCB-HIGH-BEAM
relay_spst 004
UPC FNA
15473007
1969
Lights - Exterior
BCM
Page -Lgt Ext - 1
10 A
Minifuse
HI HDLP LT
12092079
711
10 A
Minifuse
HI HDLP RT
12092079
311
Power Distribution
HEADLAMP WASH (Ubec)
Page - Pwr Dist - 11
20A
3640
BCM
6841
IP Switch
6820
J1-B
J1-D
J1-C
J1-F
J1-E
BCM
SW INPUT
900_police_flasher 001
HSD
HSD
ZN#
ZN#
ZN#
ZN#
ZN#
ZN#
ZN#
ZN#
GND
J1-15326829
J2-15326833
J2-B
J2-D
J1-A
A
Lamp-Hi-Beam-Lh
900_high_beam
UPC FNA
BULB
GND
12059183
B
150
GROUND DISTRIBUTION
Gnd Zone #1
Page - Gnd Dist - 5
A
Lamp-Hi-Beam-Rh
900_high_beam
UPC FNA
BULB
GND
12059183
B
250
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6
250
POL_FLASH_GND
GROUND DISTRIBUTION
Gnd Zone #2
Page - Gnd Dist - 6

ARE74253
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:13:45 am 4
IEC/ESI

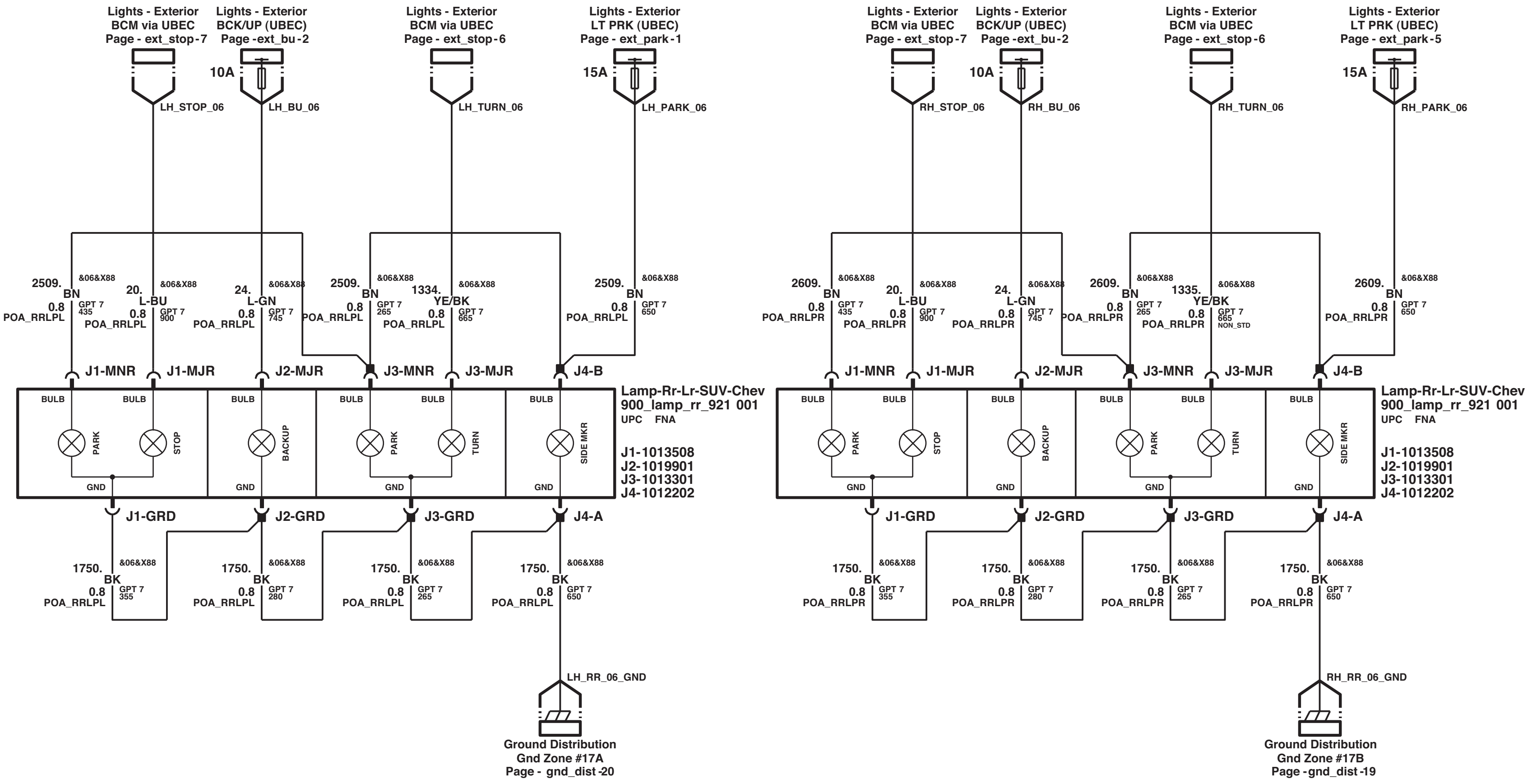
Lights - Exterior: Police Lighting Provisions

1_08_lgt_ext_police Panel 2 of 2

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - SUV CHEVY


Lights - Exterior BCM via UBEC Page - ext_stop-7
Lights - Exterior BCK/UP (UBEC) Page -ext_bu-2
Lights - Exterior BCM via UBEC Page - ext_stop-6
Lights - Exterior LT PRK (UBEC) Page - ext_park-1
Lights - Exterior BCM via UBEC Page - ext_stop-7
Lights - Exterior BCK/UP (UBEC) Page -ext_bu-2
Lights - Exterior BCM via UBEC Page - ext_stop-6
Lights - Exterior LT PRK (UBEC) Page - ext_park-5
10A
15A
LH_STOP_06
LH_BU_06
LH_TURN_06
LH_PARK_06
RH_STOP_06
RH_BU_06
RH_TURN_06
RH_PARK_06
2509. BN 0.8 POA_RRLPL &06&X88 GPT 7 435
20. L-BU 0.8 POA_RRLPL &06&X88 GPT 7 900
24. L-GN 0.8 POA_RRLPL &06&X88 GPT 7 745
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1334. YE/BK 0.8 POA_RRLPL &06&X88 GPT 7 665
2509. BN 0.8 POA_RRLPL &06&X88 GPT 7 650
2609. BN 0.8 POA_RRLPR &06&X88 GPT 7 435
20. L-BU 0.8 POA_RRLPR &06&X88 GPT 7 900
24. L-GN 0.8 POA_RRLPR &06&X88 GPT 7 745
2609. BN 0.8 POA_RRLPR &06&X88 GPT 7 265
1335. YE/BK 0.8 POA_RRLPR &06&X88 GPT 7 665 NON_STD
2609. BN 0.8 POA_RRLPR &06&X88 GPT 7 650
J1-MNR
J1-MJR
J2-MJR
J3-MNR
J3-MJR
J4-B
BULB
PARK
STOP
BACKUP
TURN
SIDE MKR
GND
Lamp-Rr-Lr-SUV-Chev
900_lamp_rr_921 001
UPC FNA
J1-1013508
J2-1019901
J3-1013301
J4-1012202
J1-GRD
J2-GRD
J3-GRD
J4-A
1750. BK 0.8 POA_RRLPL &06&X88 GPT 7 355
1750. BK 0.8 POA_RRLPL &06&X88 GPT 7 280
1750. BK 0.8 POA_RRLPL &06&X88 GPT 7 265
1750. BK 0.8 POA_RRLPL &06&X88 GPT 7 650
1750. BK 0.8 POA_RRLPR &06&X88 GPT 7 355
1750. BK 0.8 POA_RRLPR &06&X88 GPT 7 280
1750. BK 0.8 POA_RRLPR &06&X88 GPT 7 265
1750. BK 0.8 POA_RRLPR &06&X88 GPT 7 650
LH_RR_06_GND
RH_RR_06_GND
Ground Distribution Gnd Zone #17A Page - gnd_dist-20
Ground Distribution Gnd Zone #17B Page - gnd_dist-19

NOTES

• 1 – STOP LAMP ILLUMINATION IS CONTROLLED BY THE BCM BASED UPON THE ZABS SHOWN IN THE BRAKES SUBSYSTEM

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GMT900
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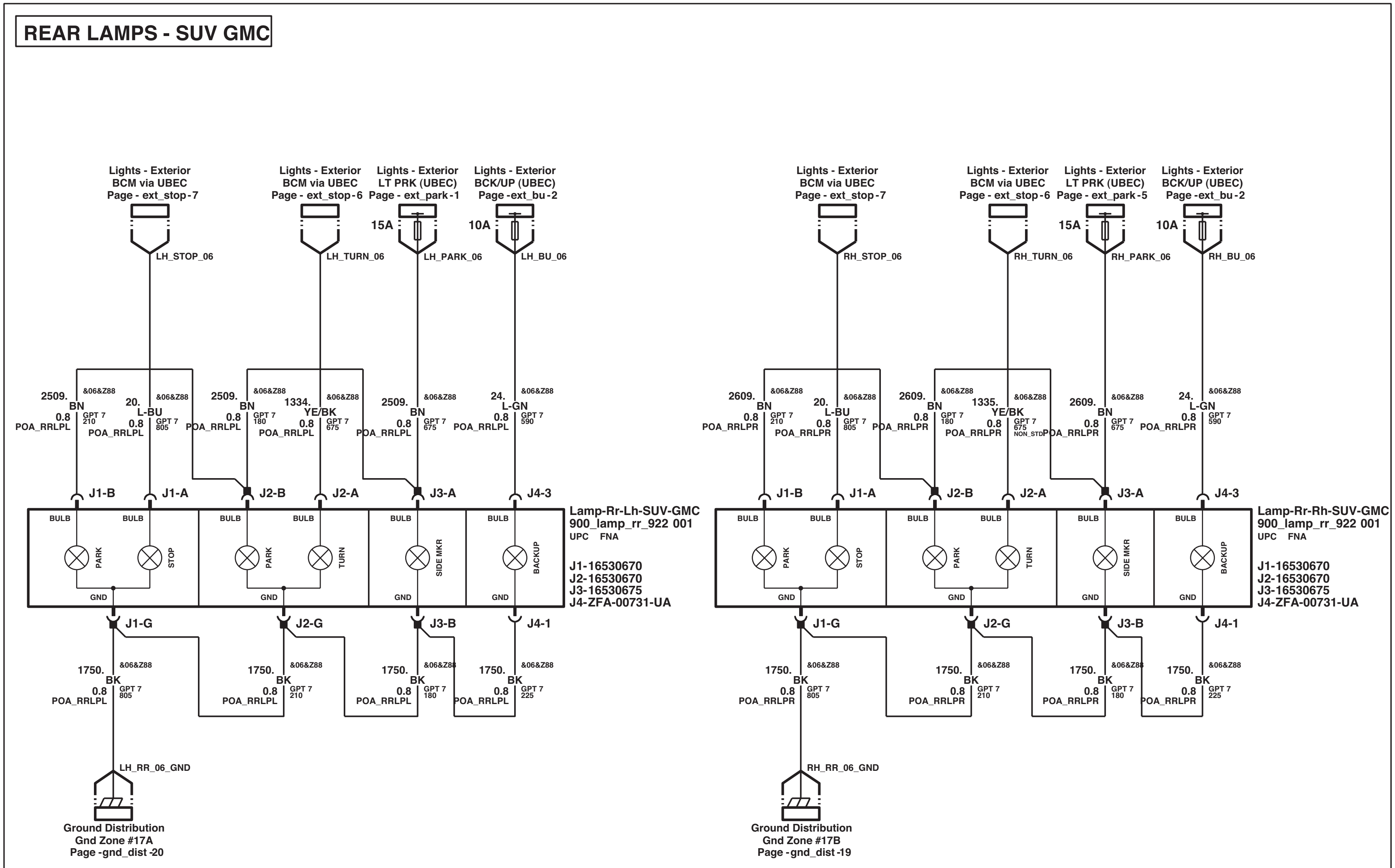
Tuesday, August 22, 2006
9:14:28 am 3
IEC/ESI

Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 1 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm


REAR LAMPS - SUV GMC
Lights - Exterior BCM via UBEC Page - ext_stop - 7
Lights - Exterior BCM via UBEC Page - ext_stop - 6
Lights - Exterior LT PRK (UBEC) Page - ext_park - 1
Lights - Exterior BCK/UP (UBEC) Page - ext_bu - 2
15A
10A
LH_STOP_06
LH_TURN_06
LH_PARK_06
LH_BU_06
2509. BN 0.8 POA_RRLPL GPT 7 210 &06&Z88
20. L-BU 0.8 POA_RRLPL GPT 7 805 &06&Z88
2509. BN 0.8 POA_RRLPL GPT 7 180 &06&Z88
1334. YE/BK 0.8 POA_RRLPL GPT 7 675 &06&Z88
2509. BN 0.8 POA_RRLPL GPT 7 675 &06&Z88
24. L-GN 0.8 POA_RRLPL GPT 7 590 &06&Z88
J1-B
J1-A
J2-B
J2-A
J3-A
J4-3
BULB
PARK
STOP
TURN
SIDE MKR
BACKUP
GND
Lamp-Rr-Lh-SUV-GMC
900_lamp_rr_922 001
UPC FNA
J1-16530670
J2-16530670
J3-16530675
J4-ZFA-00731-UA
J1-G
J2-G
J3-B
J4-1
1750. BK 0.8 POA_RRLPL GPT 7 805 &06&Z88
1750. BK 0.8 POA_RRLPL GPT 7 210 &06&Z88
1750. BK 0.8 POA_RRLPL GPT 7 180 &06&Z88
1750. BK 0.8 POA_RRLPL GPT 7 225 &06&Z88
LH_RR_06_GND
Ground Distribution Gnd Zone #17A Page - gnd_dist - 20
Lights - Exterior BCM via UBEC Page - ext_stop - 7
Lights - Exterior BCM via UBEC Page - ext_stop - 6
Lights - Exterior LT PRK (UBEC) Page - ext_park - 5
Lights - Exterior BCK/UP (UBEC) Page - ext_bu - 2
15A
10A
RH_STOP_06
RH_TURN_06
RH_PARK_06
RH_BU_06
2609. BN 0.8 POA_RRLPR GPT 7 210 &06&Z88
20. L-BU 0.8 POA_RRLPR GPT 7 805 &06&Z88
2609. BN 0.8 POA_RRLPR GPT 7 180 &06&Z88
1335. YE/BK 0.8 POA_RRLPR GPT 7 675 NON_STD &06&Z88
2609. BN 0.8 POA_RRLPR GPT 7 675 &06&Z88
24. L-GN 0.8 POA_RRLPR GPT 7 590 &06&Z88
Lamp-Rr-Rh-SUV-GMC
900_lamp_rr_922 001
UPC FNA
J1-16530670
J2-16530670
J3-16530675
J4-ZFA-00731-UA
1750. BK 0.8 POA_RRLPR GPT 7 805 &06&Z88
1750. BK 0.8 POA_RRLPR GPT 7 210 &06&Z88
1750. BK 0.8 POA_RRLPR GPT 7 180 &06&Z88
1750. BK 0.8 POA_RRLPR GPT 7 225 &06&Z88
RH_RR_06_GND
Ground Distribution Gnd Zone #17B Page - gnd_dist - 19

ARE74254
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:14:28 am 3
IEC/ESI

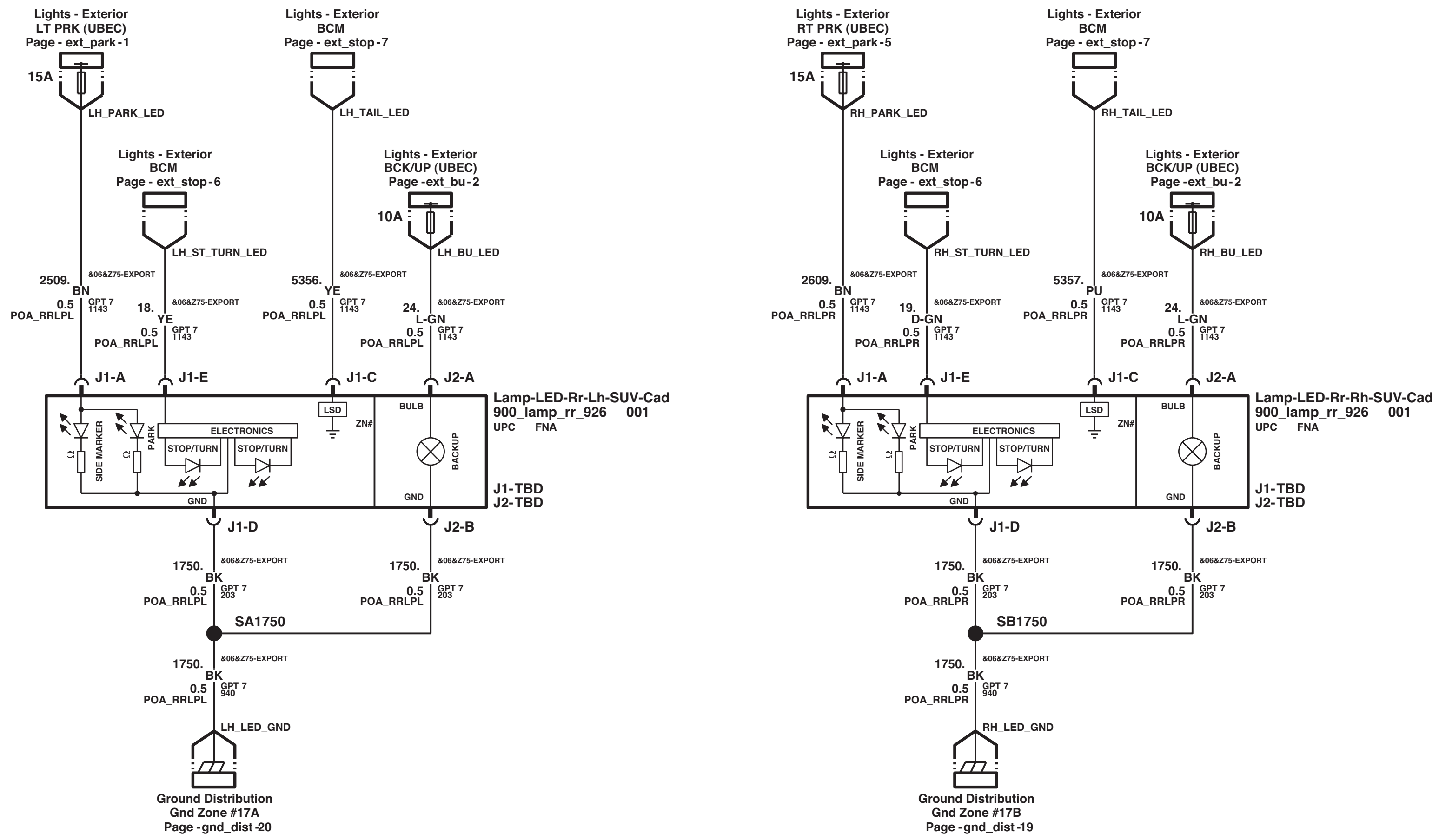
Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 2 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - SUV CADILLAC - DOMESTIC


Lights - Exterior
LT PRK (UBEC)
Page - ext_park - 1
15A
LH_PARK_LED
Lights - Exterior
BCM
Page - ext_stop - 7
LH_TAIL_LED
Lights - Exterior
BCM
Page - ext_stop - 6
LH_ST_TURN_LED
Lights - Exterior
BCK/UP (UBEC)
Page - ext_bu - 2
10A
LH_BU_LED
2509.
BN
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POA_RRLPL
&06&Z75-EXPORT
GPT 7
1143
18.
YE
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POA_RRLPL
5356.
YE
0.5
POA_RRLPL
24.
L-GN
0.5
POA_RRLPL
J1-A
J1-E
J1-C
J2-A
LSD
ZN#
BULB
ELECTRONICS
STOP/TURN
STOP/TURN
SIDE MARKER
PARK
BACKUP
GND
GND
Lamp-LED-Rr-Lh-SUV-Cad
900_lamp_rr_926 001
UPC FNA
J1-TBD
J2-TBD
J1-D
J2-B
1750.
BK
0.5
POA_RRLPL
GPT 7
203
SA1750
940
LH_LED_GND
Ground Distribution
Gnd Zone #17A
Page - gnd_dist - 20
Lights - Exterior
RT PRK (UBEC)
Page - ext_park - 5
15A
RH_PARK_LED
Lights - Exterior
BCM
Page - ext_stop - 7
RH_TAIL_LED
Lights - Exterior
BCM
Page - ext_stop - 6
RH_ST_TURN_LED
Lights - Exterior
BCK/UP (UBEC)
Page - ext_bu - 2
10A
RH_BU_LED
2609.
BN
0.5
POA_RRLPR
19.
D-GN
0.5
POA_RRLPR
5357.
PU
0.5
POA_RRLPR
24.
L-GN
0.5
POA_RRLPR
Lamp-LED-Rr-Rh-SUV-Cad
900_lamp_rr_926 001
UPC FNA
J1-TBD
J2-TBD
1750.
BK
0.5
POA_RRLPR
SB1750
RH_LED_GND
Ground Distribution
Gnd Zone #17B
Page - gnd_dist - 19

ARE74254
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:14:28 am 3
IEC/ESI

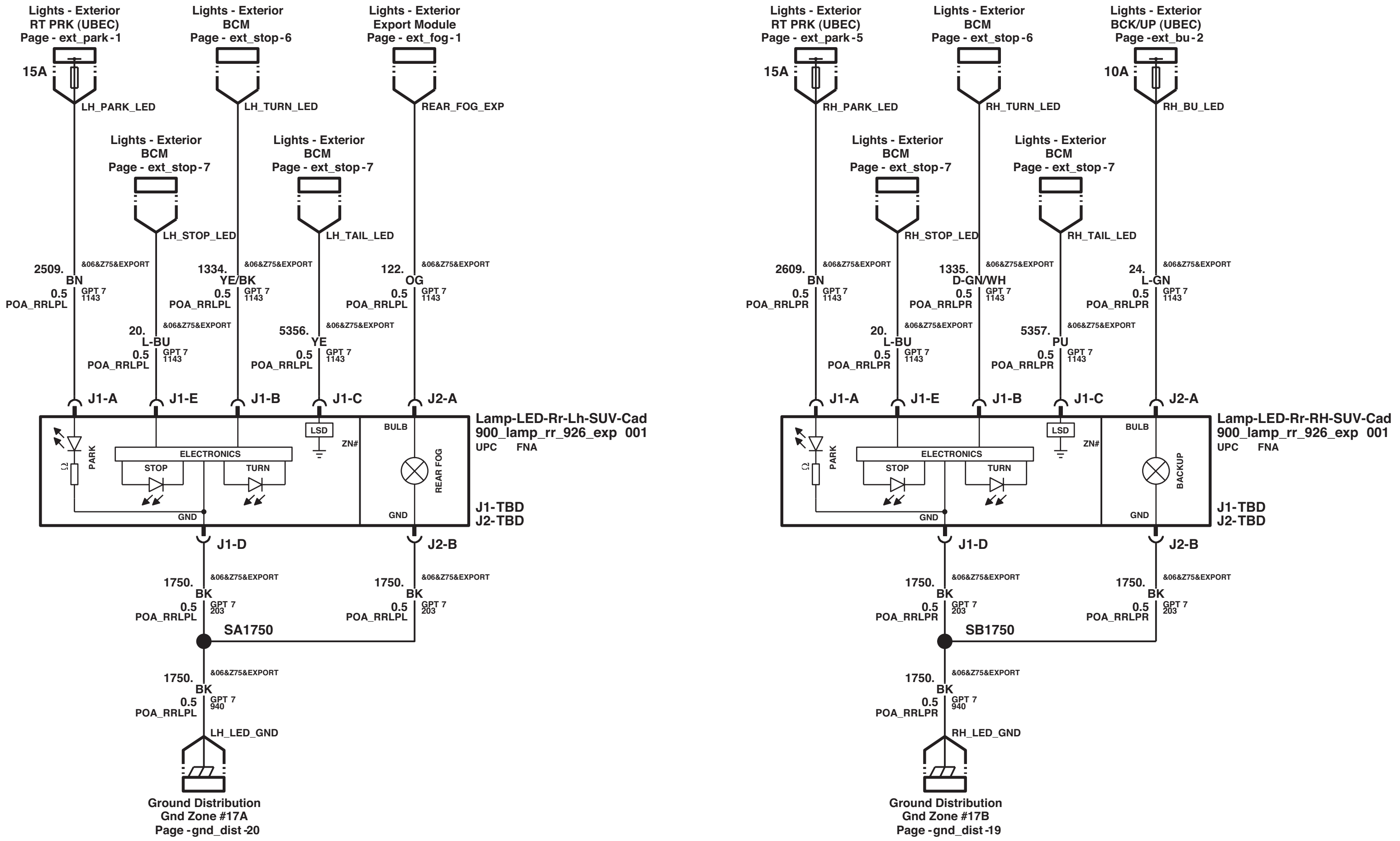
Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 3 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - SUV CADILLAC - EXPORT EUROPEAN


Lights - Exterior
RT PRK (UBEC)
Page - ext_park - 1
15A
LH_PARK_LED
Lights - Exterior
BCM
Page - ext_stop - 6
LH_TURN_LED
Lights - Exterior
Export Module
Page - ext_fog - 1
REAR_FOG_EXP
Lights - Exterior
BCM
Page - ext_stop - 7
LH_STOP_LED
Lights - Exterior
BCM
Page - ext_stop - 7
LH_TAIL_LED
2509.
BN
0.5
POA_RRLPL
&06&Z75&EXPORT
GPT 7
1143
1334.
YE/BK
0.5
POA_RRLPL
122.
OG
0.5
POA_RRLPL
20.
L-BU
0.5
POA_RRLPL
5356.
YE
0.5
POA_RRLPL
J1-A
J1-E
J1-B
J1-C
J2-A
Lamp-LED-Rr-Lh-SUV-Cad
900_lamp_rr_926_exp 001
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LSD
ZN#
BULB
PARK
ELECTRONICS
STOP
TURN
REAR FOG
GND
GND
J1-TBD
J2-TBD
J1-D
J2-B
1750.
BK
0.5
POA_RRLPL
GPT 7
203
1750.
BK
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POA_RRLPL
SA1750
1750.
BK
0.5
POA_RRLPL
GPT 7
940
LH_LED_GND
Ground Distribution
Gnd Zone #17A
Page - gnd_dist -20
Lights - Exterior
RT PRK (UBEC)
Page - ext_park - 5
15A
RH_PARK_LED
Lights - Exterior
BCM
Page - ext_stop - 6
RH_TURN_LED
Lights - Exterior
BCK/UP (UBEC)
Page - ext_bu - 2
10A
RH_BU_LED
Lights - Exterior
BCM
Page - ext_stop - 7
RH_STOP_LED
Lights - Exterior
BCM
Page - ext_stop - 7
RH_TAIL_LED
2609.
BN
0.5
POA_RRLPR
1335.
D-GN/WH
0.5
POA_RRLPR
24.
L-GN
0.5
POA_RRLPR
20.
L-BU
0.5
POA_RRLPR
5357.
PU
0.5
POA_RRLPR
J1-A
J1-E
J1-B
J1-C
J2-A
Lamp-LED-Rr-RH-SUV-Cad
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UPC FNA
LSD
ZN#
BULB
PARK
ELECTRONICS
STOP
TURN
BACKUP
GND
GND
J1-TBD
J2-TBD
J1-D
J2-B
1750.
BK
0.5
POA_RRLPR
1750.
BK
0.5
POA_RRLPR
SB1750
1750.
BK
0.5
POA_RRLPR
RH_LED_GND
Ground Distribution
Gnd Zone #17B
Page - gnd_dist -19

ARE74254
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:14:28 am 3
IEC/ESI

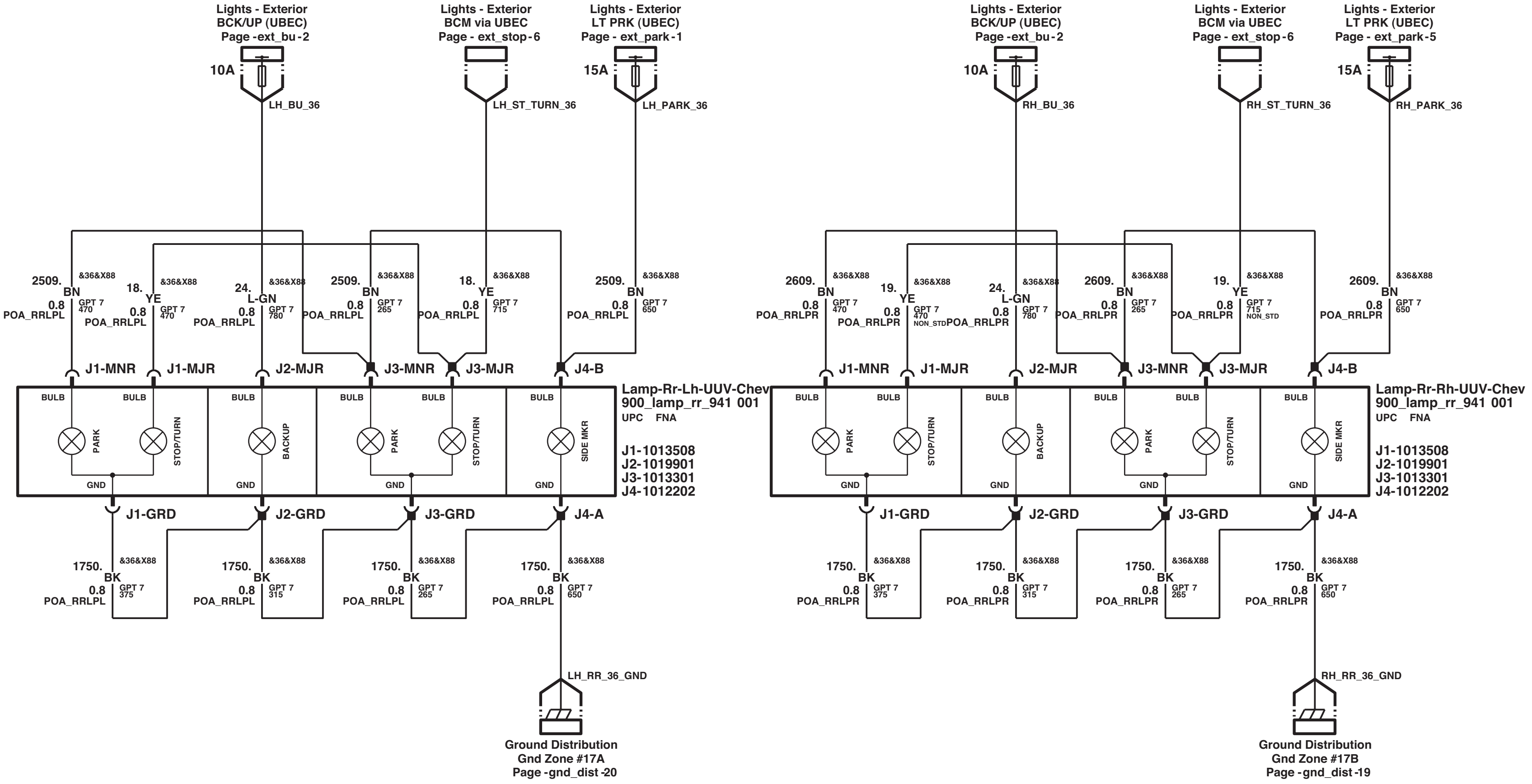
Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 4 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - UUV CHEVY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Page -ext_bu-2
10A
LH_BU_36
Lights - Exterior
BCM via UBEC
Page - ext_stop-6
LH_ST_TURN_36
Lights - Exterior
LT PRK (UBEC)
Page - ext_park-1
15A
LH_PARK_36
2509. BN 0.8 POA_RRLPL &36&X88 GPT 7 470
18. YE 0.8 POA_RRLPL &36&X88 GPT 7 470
24. L-GN 0.8 POA_RRLPL &36&X88 GPT 7 780
2509. BN 0.8 POA_RRLPL &36&X88 GPT 7 265
18. YE 0.8 POA_RRLPL &36&X88 GPT 7 715
2509. BN 0.8 POA_RRLPL &36&X88 GPT 7 650
J1-MNR
J1-MJR
J2-MJR
J3-MNR
J3-MJR
J4-B
BULB
PARK
STOP/TURN
BACKUP
SIDE MKR
GND
Lamp-Rr-Lh-UUV-Chev
900_lamp_rr_941 001
UPC FNA
J1-1013508
J2-1019901
J3-1013301
J4-1012202
J1-GRD
J2-GRD
J3-GRD
J4-A
1750. BK 0.8 POA_RRLPL &36&X88 GPT 7 375
1750. BK 0.8 POA_RRLPL &36&X88 GPT 7 315
1750. BK 0.8 POA_RRLPL &36&X88 GPT 7 265
1750. BK 0.8 POA_RRLPL &36&X88 GPT 7 650
LH_RR_36_GND
Ground Distribution
Gnd Zone #17A
Page -gnd_dist-20
Lights - Exterior
BCK/UP (UBEC)
Page -ext_bu-2
10A
RH_BU_36
Lights - Exterior
BCM via UBEC
Page - ext_stop-6
RH_ST_TURN_36
Lights - Exterior
LT PRK (UBEC)
Page - ext_park-5
15A
RH_PARK_36
2609. BN 0.8 POA_RRLPR &36&X88 GPT 7 470
19. YE 0.8 POA_RRLPR &36&X88 GPT 7 470 NON_STD
24. L-GN 0.8 POA_RRLPR &36&X88 GPT 7 780
2609. BN 0.8 POA_RRLPR &36&X88 GPT 7 265
19. YE 0.8 POA_RRLPR &36&X88 GPT 7 715 NON_STD
2609. BN 0.8 POA_RRLPR &36&X88 GPT 7 650
Lamp-Rr-Rh-UUV-Chev
900_lamp_rr_941 001
UPC FNA
J1-1013508
J2-1019901
J3-1013301
J4-1012202
1750. BK 0.8 POA_RRLPR &36&X88 GPT 7 375
1750. BK 0.8 POA_RRLPR &36&X88 GPT 7 315
1750. BK 0.8 POA_RRLPR &36&X88 GPT 7 265
1750. BK 0.8 POA_RRLPR &36&X88 GPT 7 650
RH_RR_36_GND
Ground Distribution
Gnd Zone #17B
Page -gnd_dist-19

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IEC/ESI

Lights - Exterior: Rear Lamps Asm

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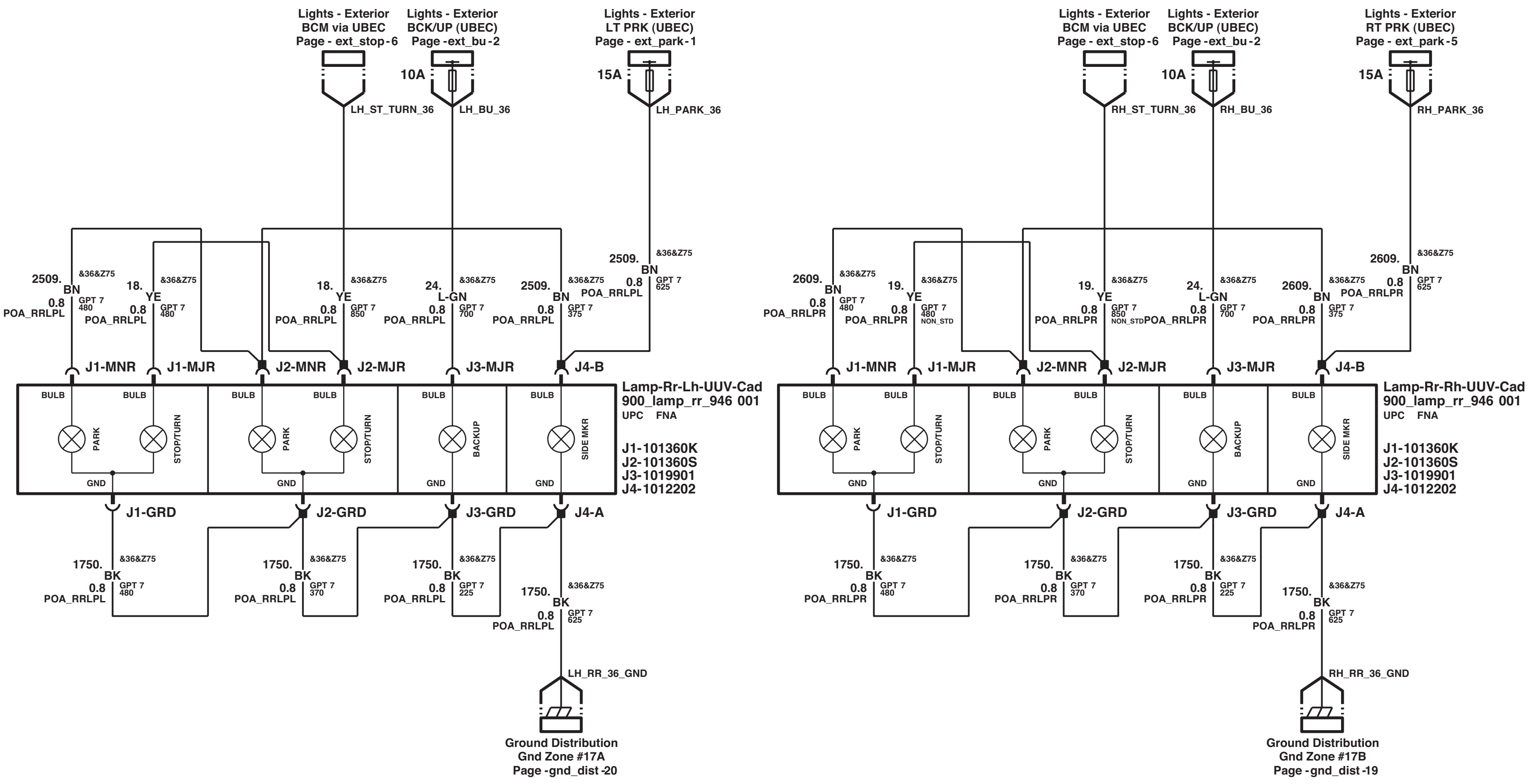
2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - UUV CADILLAC


Lights - Exterior
BCM via UBEC
Page - ext_stop-6
Lights - Exterior
BCK/UP (UBEC)
Page -ext_bu-2
Lights - Exterior
LT PRK (UBEC)
Page - ext_park-1
10A
15A
LH_ST_TURN_36
LH_BU_36
LH_PARK_36
2509.
BN
0.8
POA_RRLPL
18.
YE
24.
L-GN
&36&Z75
GPT 7
480
850
700
375
625
J1-MNR
J1-MJR
J2-MNR
J2-MJR
J3-MJR
J4-B
BULB
PARK
STOP/TURN
BACKUP
SIDE MKR
GND
Lamp-Rr-Lh-UUV-Cad
900_lamp_rr_946 001
UPC FNA
J1-101360K
J2-101360S
J3-1019901
J4-1012202
J1-GRD
J2-GRD
J3-GRD
J4-A
1750.
BK
370
225
LH_RR_36_GND
Ground Distribution
Gnd Zone #17A
Page -gnd_dist-20
Lights - Exterior
RT PRK (UBEC)
Page - ext_park-5
RH_ST_TURN_36
RH_BU_36
RH_PARK_36
2609.
19.
POA_RRLPR
NON_STD
Lamp-Rr-Rh-UUV-Cad
900_lamp_rr_946 001
RH_RR_36_GND
Ground Distribution
Gnd Zone #17B
Page -gnd_dist-19

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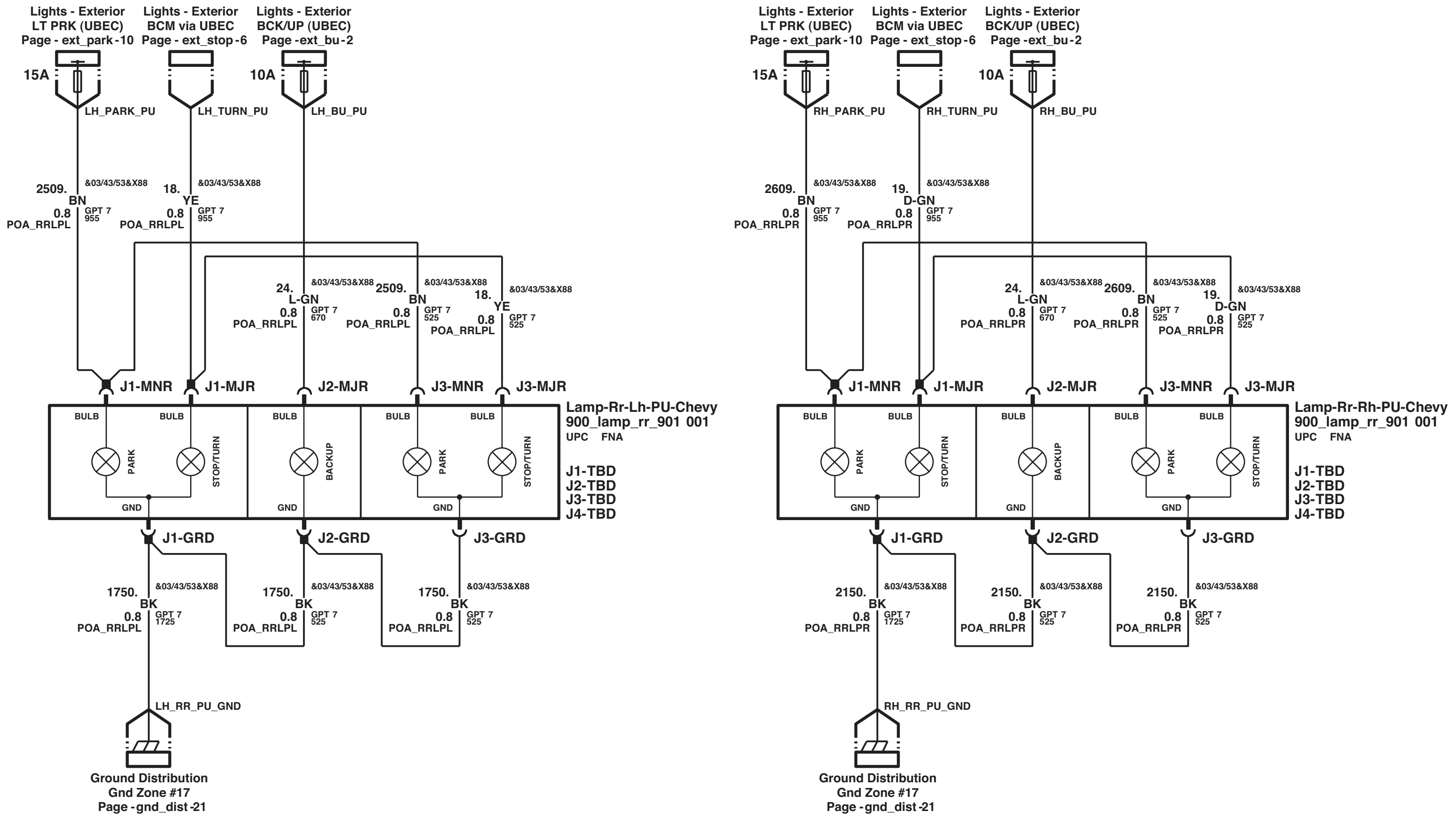
Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 6 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - PU CHEVY


Lights - Exterior
LT PRK (UBEC)
Page - ext_park - 10
Lights - Exterior
BCM via UBEC
Page - ext_stop - 6
Lights - Exterior
BCK/UP (UBEC)
Page - ext_bu - 2
15A
10A
LH_PARK_PU
LH_TURN_PU
LH_BU_PU
2509.
BN
0.8
POA_RRLPL
&03/43/53&X88
GPT 7
955
18.
YE
0.8
POA_RRLPL
&03/43/53&X88
GPT 7
955
24.
L-GN
0.8
POA_RRLPL
GPT 7
670
2509.
BN
0.8
POA_RRLPL
GPT 7
525
18.
YE
0.8
POA_RRLPL
GPT 7
525
J1-MNR
J1-MJR
J2-MJR
J3-MNR
J3-MJR
BULB
PARK
STOP/TURN
BACKUP
GND
Lamp-Rr-Lh-PU-Chevy
900_lamp_rr_901 001
UPC FNA
J1-TBD
J2-TBD
J3-TBD
J4-TBD
J1-GRD
J2-GRD
J3-GRD
1750.
BK
0.8
POA_RRLPL
GPT 7
1725
GPT 7
525
LH_RR_PU_GND
Ground Distribution
Gnd Zone #17
Page - gnd_dist - 21
RH_PARK_PU
RH_TURN_PU
RH_BU_PU
2609.
BN
0.8
POA_RRLPR
19.
D-GN
0.8
POA_RRLPR
24.
L-GN
Lamp-Rr-Rh-PU-Chevy
900_lamp_rr_901 001
2150.
BK
0.8
POA_RRLPR
RH_RR_PU_GND

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Lights - Exterior: Rear Lamps Asm

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2008
GMT900
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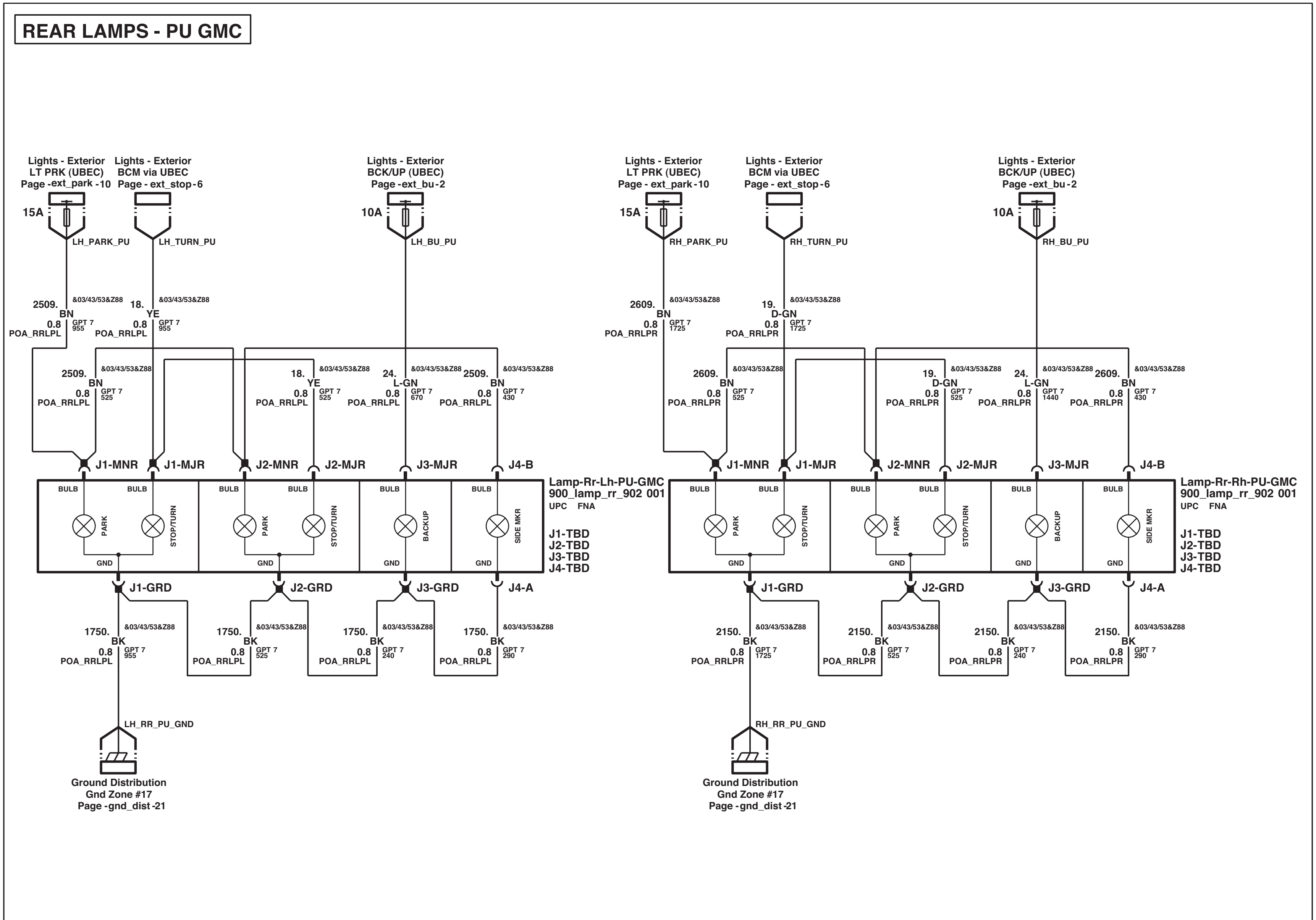
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm


REAR LAMPS - PU GMC
Lights - Exterior LT PRK (UBEC) Page -ext_park -10
Lights - Exterior BCM via UBEC Page - ext_stop - 6
Lights - Exterior BCK/UP (UBEC) Page -ext_bu - 2
Lights - Exterior LT PRK (UBEC) Page - ext_park - 10
Lights - Exterior BCM via UBEC Page - ext_stop - 6
Lights - Exterior BCK/UP (UBEC) Page -ext_bu - 2
15A
10A
15A
10A
LH_PARK_PU
LH_TURN_PU
LH_BU_PU
RH_PARK_PU
RH_TURN_PU
RH_BU_PU
2509. BN 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 955
18. YE 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 955
2509. BN 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 525
18. YE 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 525
24. L-GN 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 670
2509. BN 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 430
2609. BN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 1725
19. D-GN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 1725
2609. BN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 525
19. D-GN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 525
24. L-GN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 1440
2609. BN 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 430
J1-MNR J1-MJR J2-MNR J2-MJR J3-MJR J4-B
BULB BULB BULB BULB BULB BULB
PARK STOP/TURN PARK STOP/TURN BACKUP SIDE MKR
GND GND GND GND
Lamp-Rr-Lh-PU-GMC
900_lamp_rr_902 001
UPC FNA
J1-TBD
J2-TBD
J3-TBD
J4-TBD
Lamp-Rr-Rh-PU-GMC
900_lamp_rr_902 001
UPC FNA
J1-TBD
J2-TBD
J3-TBD
J4-TBD
J1-GRD J2-GRD J3-GRD J4-A
1750. BK 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 955
1750. BK 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 525
1750. BK 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 240
1750. BK 0.8 POA_RRLPL &03/43/53&Z88 GPT 7 290
2150. BK 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 1725
2150. BK 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 525
2150. BK 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 240
2150. BK 0.8 POA_RRLPR &03/43/53&Z88 GPT 7 290
LH_RR_PU_GND
RH_RR_PU_GND
Ground Distribution Gnd Zone #17 Page -gnd_dist -21
Ground Distribution Gnd Zone #17 Page -gnd_dist -21

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Lights - Exterior: Rear Lamps Asm

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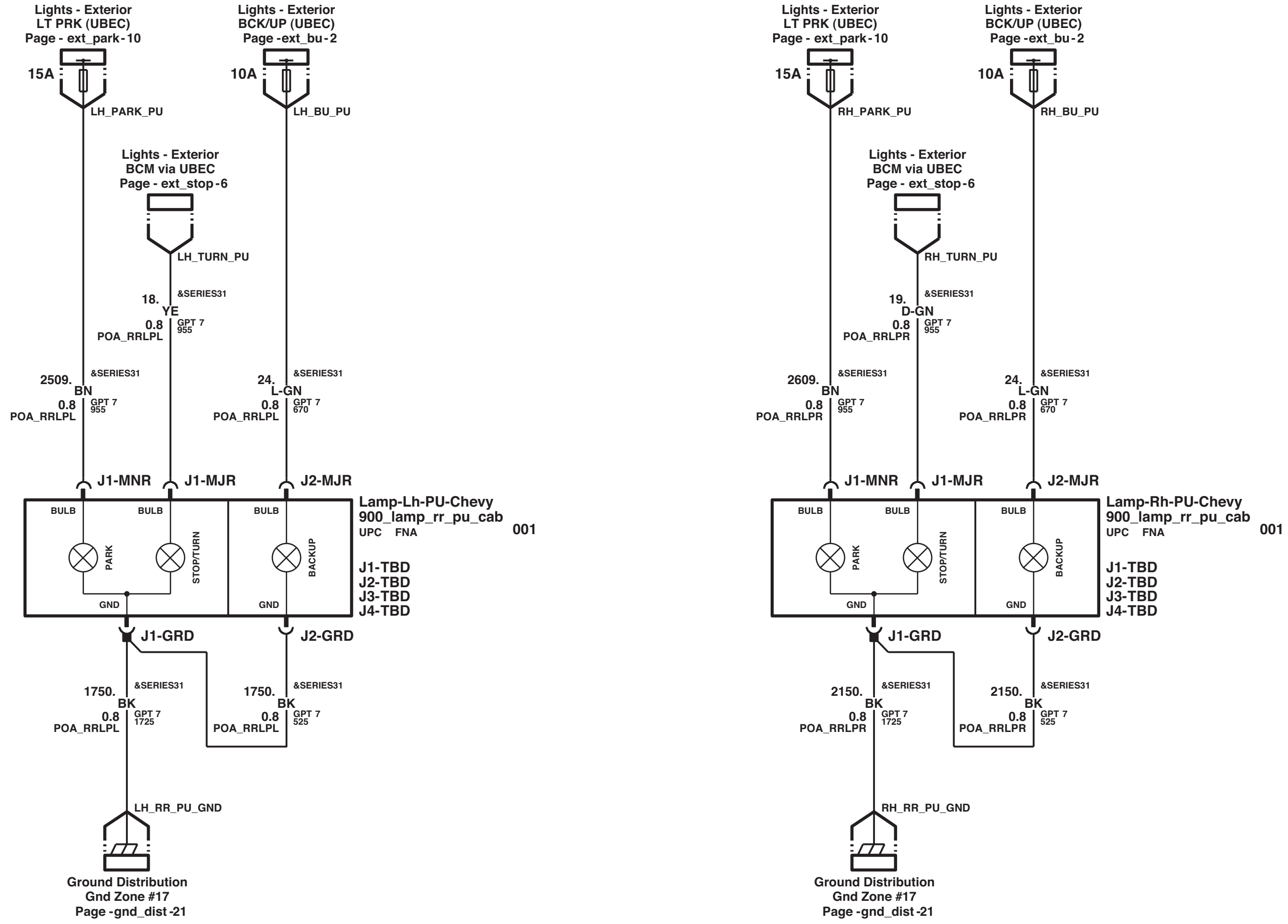
2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Rear Lamps Asm

REAR LAMPS - PU CAB/CHASSIS


Lights - Exterior
LT PRK (UBEC)
Page - ext_park-10
Lights - Exterior
BCK/UP (UBEC)
Page -ext_bu-2
15A
10A
LH_PARK_PU
LH_BU_PU
Lights - Exterior
BCM via UBEC
Page - ext_stop-6
LH_TURN_PU
18.
YE
0.8
POA_RRLPL
&SERIES31
GPT 7
955
2509.
BN
0.8
POA_RRLPL
&SERIES31
GPT 7
955
24.
L-GN
0.8
POA_RRLPL
&SERIES31
GPT 7
670
J1-MNR
J1-MJR
J2-MJR
BULB
BULB
BULB
PARK
STOP/TURN
BACKUP
GND
GND
Lamp-Lh-PU-Chevy
900_lamp_rr_pu_cab
UPC FNA
001
J1-TBD
J2-TBD
J3-TBD
J4-TBD
J1-GRD
J2-GRD
1750.
BK
0.8
POA_RRLPL
&SERIES31
GPT 7
1725
1750.
BK
0.8
POA_RRLPL
&SERIES31
GPT 7
525
LH_RR_PU_GND
Ground Distribution
Gnd Zone #17
Page -gnd_dist-21
Lights - Exterior
LT PRK (UBEC)
Page - ext_park-10
Lights - Exterior
BCK/UP (UBEC)
Page -ext_bu-2
15A
10A
RH_PARK_PU
RH_BU_PU
Lights - Exterior
BCM via UBEC
Page - ext_stop-6
RH_TURN_PU
19.
D-GN
0.8
POA_RRLPR
&SERIES31
GPT 7
955
2609.
BN
0.8
POA_RRLPR
&SERIES31
GPT 7
955
24.
L-GN
0.8
POA_RRLPR
&SERIES31
GPT 7
670
J1-MNR
J1-MJR
J2-MJR
BULB
BULB
BULB
PARK
STOP/TURN
BACKUP
GND
GND
Lamp-Rh-PU-Chevy
900_lamp_rr_pu_cab
UPC FNA
001
J1-TBD
J2-TBD
J3-TBD
J4-TBD
J1-GRD
J2-GRD
2150.
BK
0.8
POA_RRLPR
&SERIES31
GPT 7
1725
2150.
BK
0.8
POA_RRLPR
&SERIES31
GPT 7
525
RH_RR_PU_GND
Ground Distribution
Gnd Zone #17
Page -gnd_dist-21

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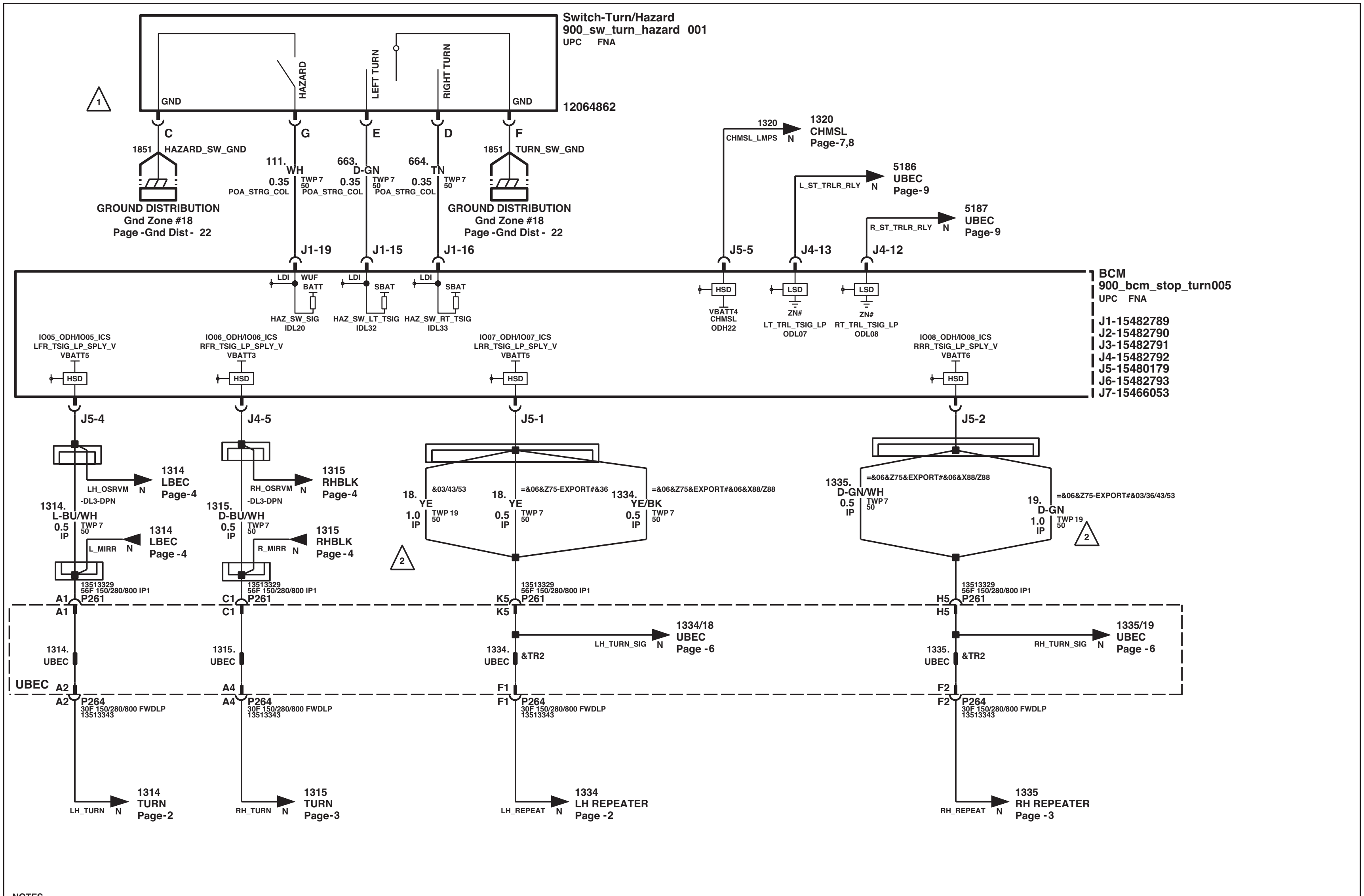
Lights - Exterior: Rear Lamps Asm

1_08_lgt_ext_rr_lps Panel 9 of 9

2008
GMT900
IVER
System Status: Object Status:

Lights – Exterior: Stop/Turn


Switch-Turn/Hazard
900_sw_turn_hazard 001
UPC FNA
12064862
GND
HAZARD
LEFT TURN
RIGHT TURN
GND
1
C
G
E
D
F
1851 HAZARD_SW_GND
1851 TURN_SW_GND
111. WH 0.35 TWP 7 50 POA_STRG_COL
663. D-GN 0.35 TWP 7 50 POA_STRG_COL
664. TN 0.35 TWP 7 50 POA_STRG_COL
GROUND DISTRIBUTION Gnd Zone #18 Page -Gnd Dist - 22
GROUND DISTRIBUTION Gnd Zone #18 Page -Gnd Dist - 22
1320 CHMSL_LMPS N
1320 CHMSL Page-7,8
L_ST_TRLR_RLY N
5186 UBEC Page-9
R_ST_TRLR_RLY N
5187 UBEC Page-9
J1-19
J1-15
J1-16
J5-5
J4-13
J4-12
BCM
900_bcm_stop_turn005
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
LDI WUF BATT
LDI SBAT
LDI SBAT
HAZ_SW_SIG IDL20
HAZ_SW_LT_TSIG IDL32
HAZ_SW_RT_TSIG IDL33
HSD VBATT4 CHMSL ODH22
LSD ZN# LT_TRL_TSIG_LP ODL07
LSD ZN# RT_TRL_TSIG_LP ODL08
IO05_ODH/IO05_ICS LFR_TSIG_LP_SPLY_V VBATT5 HSD
IO06_ODH/IO06_ICS RFR_TSIG_LP_SPLY_V VBATT3 HSD
IO07_ODH/IO07_ICS LRR_TSIG_LP_SPLY_V VBATT5 HSD
IO08_ODH/IO08_ICS RRR_TSIG_LP_SPLY_V VBATT6 HSD
J5-4
J4-5
J5-1
J5-2
LH_OSRVM N -DL3-DPN
1314 LBEC Page-4
RH_OSRVM N -DL3-DPN
1315 RHBLK Page-4
1314. L-BU/WH 0.5 IP TWP 7 50
1315. D-BU/WH 0.5 IP TWP 7 50
L_MIRR N
1314 LBEC Page - 4
R_MIRR N
1315 RHBLK Page - 4
18. YE 1.0 IP TWP 19 50 &03/43/53
18. YE 0.5 IP TWP 7 50 =&06&Z75-EXPORT#&36
1334. YE/BK 0.5 IP TWP 7 50 =&06&Z75&EXPORT#&06&X88/Z88
1335. D-GN/WH 0.5 IP TWP 7 50 =&06&Z75&EXPORT#&06&X88/Z88
19. D-GN 1.0 IP TWP 19 50 =&06&Z75-EXPORT#&03/36/43/53
2
2
13513329 56F 150/280/800 IP1
A1 P261 A1
C1 P261 C1
K5 P261 K5
H5 P261 H5
1314. UBEC
1315. UBEC
1334. UBEC &TR2
1335. UBEC &TR2
LH_TURN_SIG N
1334/18 UBEC Page - 6
RH_TURN_SIG N
1335/19 UBEC Page - 6
UBEC
A2 P264 A2
A4 P264 A4
F1 P264 F1
F2 P264 F2
30F 150/280/800 FWDLP 13513343
LH_TURN N
1314 TURN Page-2
RH_TURN N
1315 TURN Page-3
LH_REPEAT N
1334 LH REPEATER Page - 2
RH_REPEAT N
1335 RH REPEATER Page - 3

NOTES
- 1 – TURN SWITCH INPUTS ARE NON-WAKEUP
  – LDI'S PULLED UP TO SBAT FOR DOMESTIC,
  – WUD LDI'S PULLED UP TO BATT FOR EXPORT
- 2 – UPSIZED FOR VOLTAGE DROP.

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IEC/ESI

Lights - Exterior: Stop/Turn

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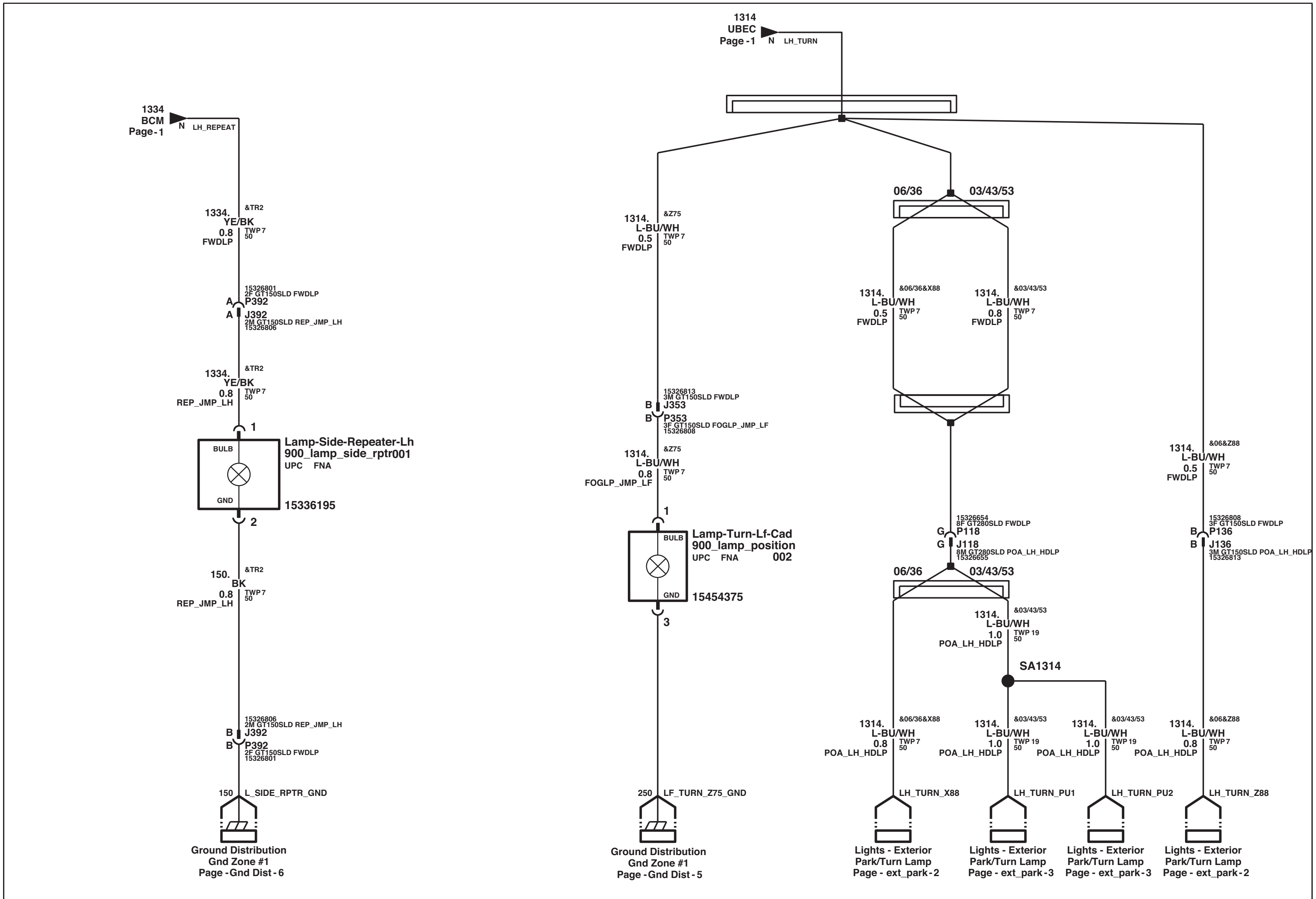
2008
GMT900

System Status: Object Status:

Lights – Exterior: Stop/Turn


1314
UBEC
Page - 1
N
LH_TURN
1334
BCM
Page - 1
N
LH_REPEAT
1334.
&TR2
YE/BK
0.8
TWP 7
50
FWDLP
15326801
2F GT150SLD FWDLP
A P392
A J392
2M GT150SLD REP_JMP_LH
15326806
1334.
&TR2
YE/BK
0.8
TWP 7
50
REP_JMP_LH
1
BULB
Lamp-Side-Repeater-Lh
900_lamp_side_rptr001
UPC FNA
GND
15336195
2
150.
&TR2
BK
0.8
TWP 7
50
REP_JMP_LH
15326806
2M GT150SLD REP_JMP_LH
B J392
B P392
2F GT150SLD FWDLP
15326801
150
L_SIDE_RPTR_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 6
1314.
&Z75
L-BU/WH
0.5
TWP 7
50
FWDLP
15326813
3M GT150SLD FWDLP
B J353
B P353
3F GT150SLD FOGLP_JMP_LF
15326808
1314.
&Z75
L-BU/WH
0.8
TWP 7
50
FOGLP_JMP_LF
1
BULB
Lamp-Turn-Lf-Cad
900_lamp_position
UPC FNA 002
GND
15454375
3
250
LF_TURN_Z75_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
06/36
03/43/53
1314.
&06/36&X88
L-BU/WH
0.5
TWP 7
50
FWDLP
1314.
&03/43/53
L-BU/WH
0.8
TWP 7
50
FWDLP
15326654
8F GT280SLD FWDLP
G P118
G J118
8M GT280SLD POA_LH_HDLP
15326655
06/36
03/43/53
1314.
&03/43/53
L-BU/WH
1.0
TWP 19
50
POA_LH_HDLP
SA1314
1314.
&06&Z88
L-BU/WH
0.5
TWP 7
50
FWDLP
15326808
3F GT150SLD FWDLP
B P136
B J136
3M GT150SLD POA_LH_HDLP
15326813
1314.
&06/36&X88
L-BU/WH
0.8
TWP 7
50
POA_LH_HDLP
LH_TURN_X88
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 2
1314.
&03/43/53
L-BU/WH
1.0
TWP 19
50
POA_LH_HDLP
LH_TURN_PU1
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 3
1314.
&03/43/53
L-BU/WH
1.0
TWP 19
50
POA_LH_HDLP
LH_TURN_PU2
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 3
1314.
&06&Z88
L-BU/WH
0.8
TWP 7
50
POA_LH_HDLP
LH_TURN_Z88
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 2

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Lights - Exterior: Stop/Turn

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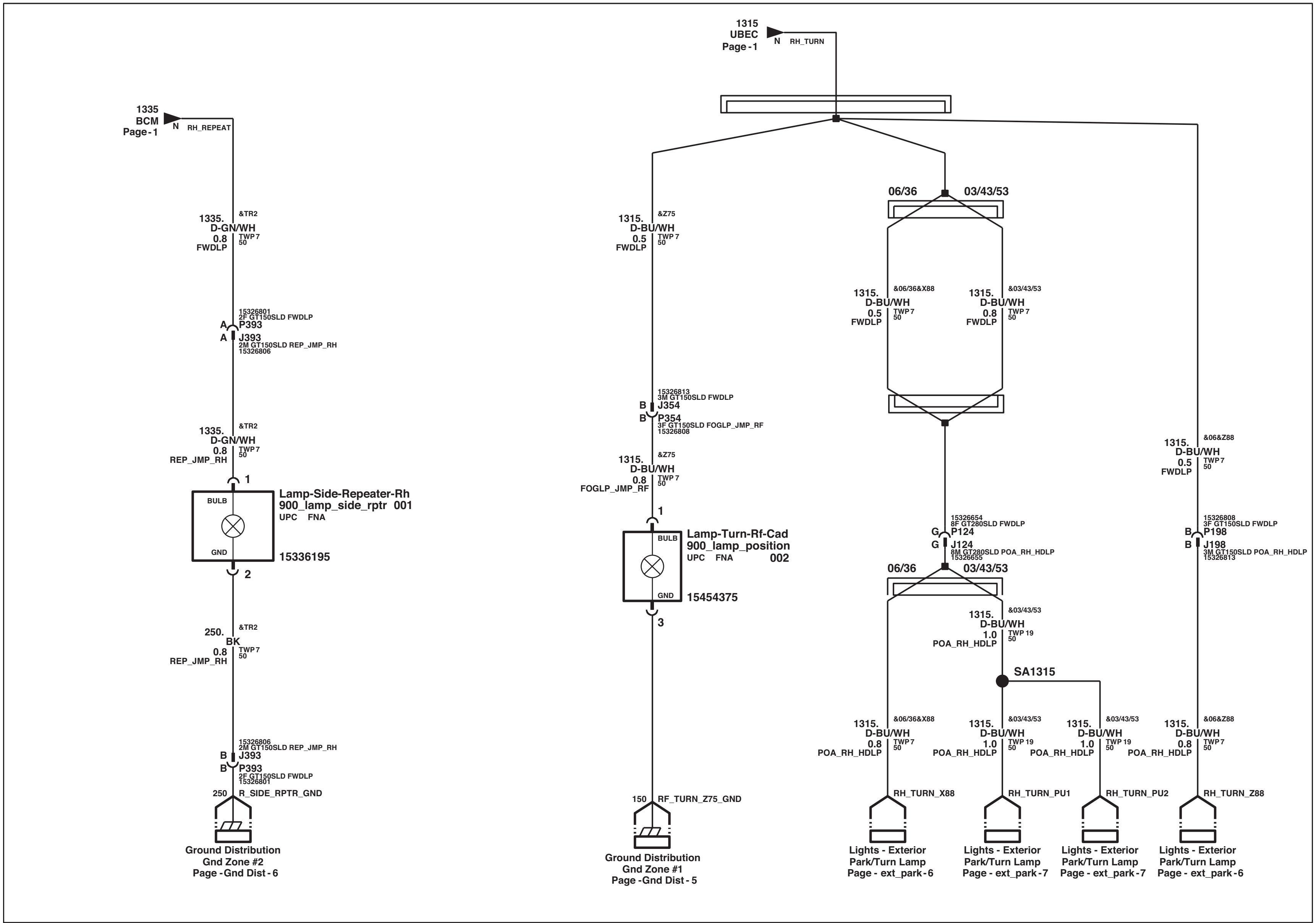
2008
GMT900

System Status: Object Status:

Lights – Exterior: Stop/Turn


1335
BCM
Page - 1
N
RH_REPEAT
1335.
&TR2
D-GN/WH
0.8
TWP 7
50
FWDLP
15326801
2F GT150SLD FWDLP
A P393
A J393
2M GT150SLD REP_JMP_RH
15326806
1335.
&TR2
D-GN/WH
0.8
TWP 7
50
REP_JMP_RH
1
BULB
Lamp-Side-Repeater-Rh
900_lamp_side_rptr 001
UPC FNA
GND
15336195
2
250.
&TR2
BK
0.8
TWP 7
50
REP_JMP_RH
15326806
2M GT150SLD REP_JMP_RH
B J393
B P393
2F GT150SLD FWDLP
15326801
250
R_SIDE_RPTR_GND
Ground Distribution
Gnd Zone #2
Page -Gnd Dist - 6
1315
UBEC
Page - 1
N
RH_TURN
1315.
&Z75
D-BU/WH
0.5
TWP 7
50
FWDLP
15326813
3M GT150SLD FWDLP
B J354
B P354
3F GT150SLD FOGLP_JMP_RF
15326808
1315.
&Z75
D-BU/WH
0.8
TWP 7
50
FOGLP_JMP_RF
1
Lamp-Turn-Rf-Cad
900_lamp_position
UPC FNA 002
BULB
GND
15454375
3
150
RF_TURN_Z75_GND
Ground Distribution
Gnd Zone #1
Page -Gnd Dist - 5
06/36
03/43/53
1315.
&06/36&X88
D-BU/WH
0.5
TWP 7
50
FWDLP
1315.
&03/43/53
D-BU/WH
0.8
TWP 7
50
FWDLP
15326654
8F GT280SLD FWDLP
G P124
G J124
8M GT280SLD POA_RH_HDLP
15326655
06/36
03/43/53
1315.
&03/43/53
D-BU/WH
1.0
TWP 19
50
POA_RH_HDLP
SA1315
1315.
&06&Z88
D-BU/WH
0.5
TWP 7
50
FWDLP
15326808
3F GT150SLD FWDLP
B P198
B J198
3M GT150SLD POA_RH_HDLP
15326813
1315.
&06/36&X88
D-BU/WH
0.8
TWP 7
50
POA_RH_HDLP
RH_TURN_X88
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 6
1315.
&03/43/53
D-BU/WH
1.0
TWP 19
50
POA_RH_HDLP
RH_TURN_PU1
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 7
1315.
&03/43/53
D-BU/WH
1.0
TWP 19
50
POA_RH_HDLP
RH_TURN_PU2
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 7
1315.
&06&Z88
D-BU/WH
0.8
TWP 7
50
POA_RH_HDLP
RH_TURN_Z88
Lights - Exterior
Park/Turn Lamp
Page - ext_park - 6

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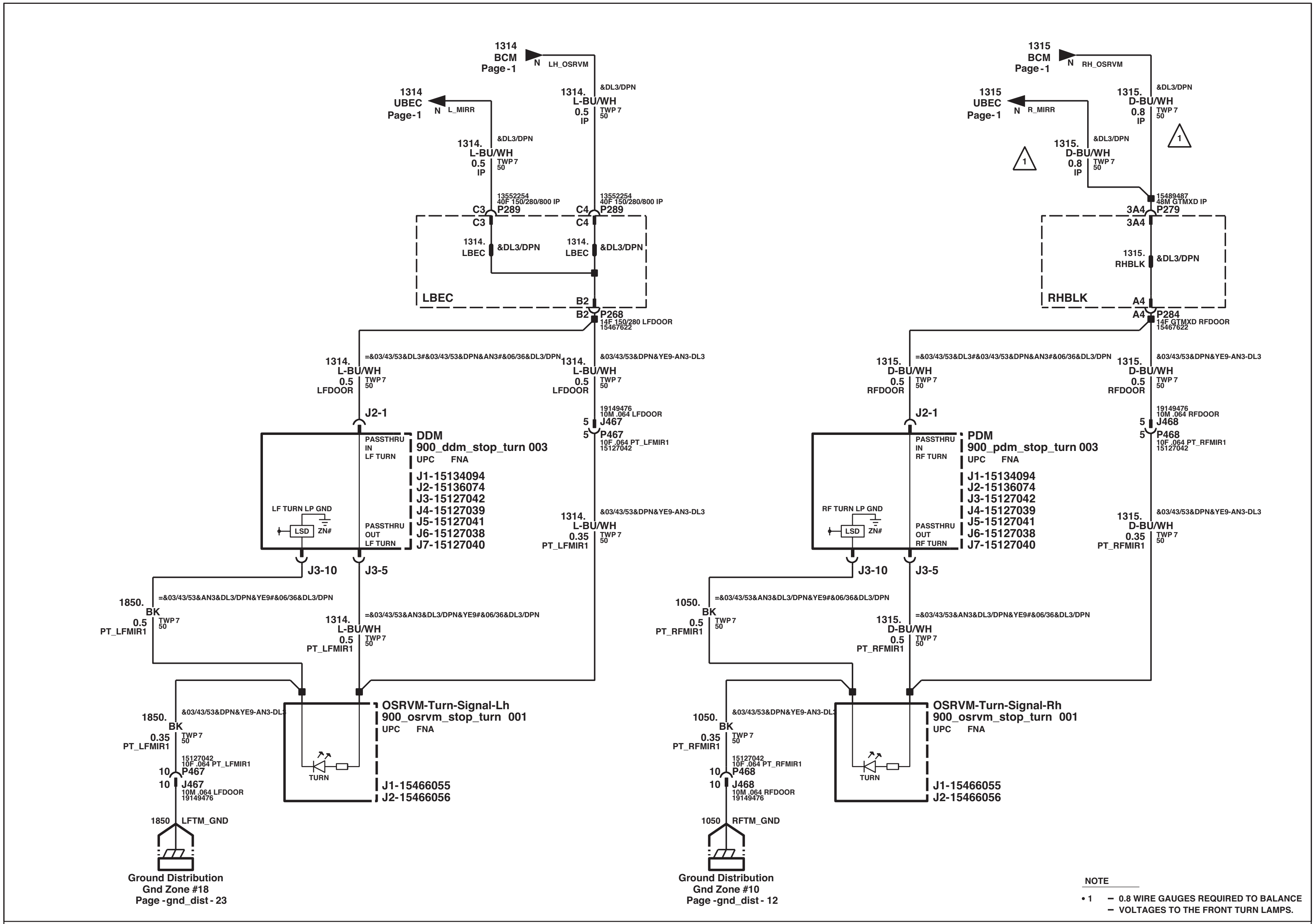
1314
BCM
Page-1
N LH_OSRVM
1314
UBEC
Page-1
N L_MIRR
&DL3/DPN
1314.
L-BU/WH
0.5 TWP 7 50
IP
13552254
40F 150/280/800 IP
C3 P289
C4 P289
1314. LBEC &DL3/DPN
LBEC
B2 P268
14F 150/280 LFDOOR
15467622
=&03/43/53&DL3#&03/43/53&DPN&AN3#&06/36&DL3/DPN
&03/43/53&DPN&YE9-AN3-DL3
0.5
LFDOOR
J2-1
19149476
10M .064 LFDOOR
5 J467
5 P467
10F .064 PT_LFMIR1
15127042
DDM
900_ddm_stop_turn 003
UPC FNA
PASSTHRU IN LF TURN
PASSTHRU OUT LF TURN
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
LF TURN LP GND
LSD ZN#
0.35
PT_LFMIR1
J3-10
J3-5
1850.
BK
=&03/43/53&AN3&DL3/DPN&YE9#&06/36&DL3/DPN
OSRVM-Turn-Signal-Lh
900_osrvm_stop_turn 001
UPC FNA
TURN
J1-15466055
J2-15466056
10 P467
10 J467
1850 LFTM_GND
Ground Distribution
Gnd Zone #18
Page -gnd_dist - 23
1315
BCM
Page-1
N RH_OSRVM
1315
UBEC
Page-1
N R_MIRR
1315.
D-BU/WH
0.8
IP
1
15489487
48M GTMXD IP
3A4 P279
1315. RHBLK &DL3/DPN
RHBLK
A4 P284
14F GTMXD RFDOOR
15467622
RFDOOR
19149476
10M .064 RFDOOR
5 J468
5 P468
10F .064 PT_RFMIR1
PDM
900_pdm_stop_turn 003
PASSTHRU IN RF TURN
PASSTHRU OUT RF TURN
RF TURN LP GND
PT_RFMIR1
1050.
BK
OSRVM-Turn-Signal-Rh
900_osrvm_stop_turn 001
10 P468
10 J468
1050 RFTM_GND
Ground Distribution
Gnd Zone #10
Page -gnd_dist - 12

NOTE
- 1 – 0.8 WIRE GAUGES REQUIRED TO BALANCE
  – VOLTAGES TO THE FRONT TURN LAMPS.

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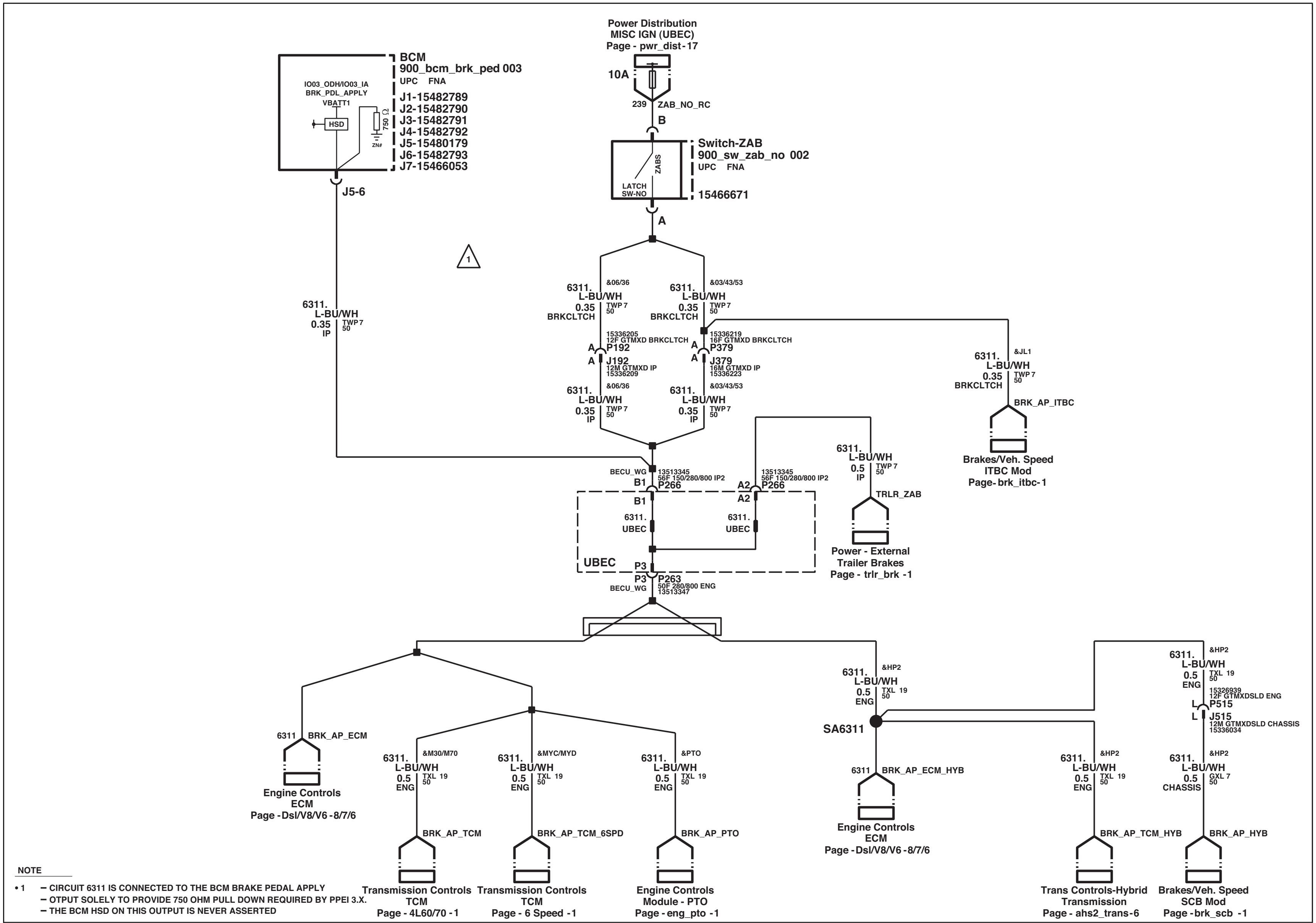
Power Distribution
MISC IGN (UBEC)
Page - pwr_dist-17
10A
239 ZAB_NO_RC
B
Switch-ZAB
900_sw_zab_no 002
UPC FNA
ZABS
LATCH SW-NO
15466671
A
BCM
900_bcm_brk_ped 003
UPC FNA
IO03_ODH/IO03_IA
BRK_PDL_APPLY
VBATT1
HSD
750 Ω
ZN#
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
J5-6
1
6311. L-BU/WH 0.35 IP TWP 7 50
6311. L-BU/WH 0.35 BRKCLTCH TWP 7 50 &06/36
6311. L-BU/WH 0.35 BRKCLTCH TWP 7 50 &03/43/53
15336205 12F GTMXD BRKCLTCH
A P192
A J192 12M GTMXD IP 15336209
15336219 16F GTMXD BRKCLTCH
A P379
A J379 16M GTMXD IP 15336223
6311. L-BU/WH 0.35 IP TWP 7 50 &06/36
6311. L-BU/WH 0.35 IP TWP 7 50 &03/43/53
6311. L-BU/WH 0.35 BRKCLTCH TWP 7 50 &JL1
BRK_AP_ITBC
Brakes/Veh. Speed
ITBC Mod
Page- brk_itbc-1
6311. L-BU/WH 0.5 IP TWP 7 50
TRLR_ZAB
Power - External
Trailer Brakes
Page - trlr_brk -1
BECU_WG
13513345 56F 150/280/800 IP2
B1 P266
A2 P266
B1
A2
6311. UBEC
6311. UBEC
UBEC
P3
P3 P263
50F 280/800 ENG 13513347
BECU_WG
6311 BRK_AP_ECM
Engine Controls
ECM
Page - Dsl/V8/V6 -8/7/6
6311. L-BU/WH 0.5 ENG TXL 19 50 &M30/M70
BRK_AP_TCM
Transmission Controls
TCM
Page - 4L60/70 -1
6311. L-BU/WH 0.5 ENG TXL 19 50 &MYC/MYD
BRK_AP_TCM_6SPD
Transmission Controls
TCM
Page - 6 Speed -1
6311. L-BU/WH 0.5 ENG TXL 19 50 &PTO
BRK_AP_PTO
Engine Controls
Module - PTO
Page - eng_pto -1
6311. L-BU/WH 0.5 ENG TXL 19 50 &HP2
SA6311
6311 BRK_AP_ECM_HYB
Engine Controls
ECM
Page - Dsl/V8/V6 -8/7/6
6311. L-BU/WH 0.5 ENG TXL 19 50 &HP2
BRK_AP_TCM_HYB
Trans Controls-Hybrid
Transmission
Page - ahs2_trans-6
6311. L-BU/WH 0.5 ENG TXL 19 50 &HP2
15326939 12F GTMXDSLD ENG
L P515
L J515 12M GTMXDSLD CHASSIS 15336034
6311. L-BU/WH 0.5 CHASSIS GXL 7 50 &HP2
BRK_AP_HYB
Brakes/Veh. Speed
SCB Mod
Page - brk_scb -1

NOTE

- 1 – CIRCUIT 6311 IS CONNECTED TO THE BCM BRAKE PEDAL APPLY
  – OTPUT SOLELY TO PROVIDE 750 OHM PULL DOWN REQUIRED BY PPEI 3.X.
  – THE BCM HSD ON THIS OUTPUT IS NEVER ASSERTED

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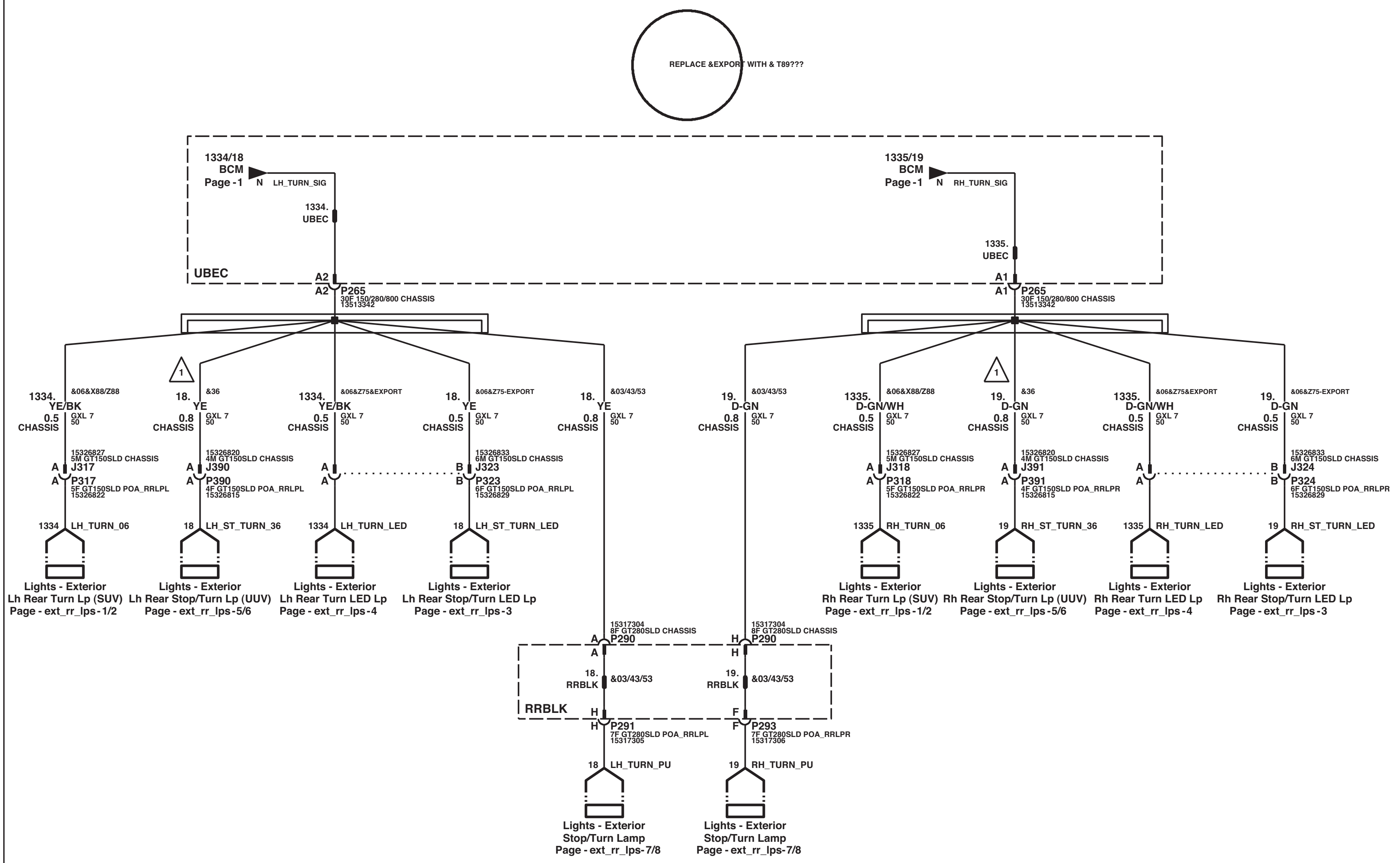
REPLACE &EXPORT WITH & T89???
1334/18
BCM
Page - 1
N
LH_TURN_SIG
1334.
UBEC
UBEC
A2
A2
P265
30F 150/280/800 CHASSIS
13513342
1335/19
BCM
Page - 1
N
RH_TURN_SIG
1335.
UBEC
A1
A1
P265
30F 150/280/800 CHASSIS
13513342
1
1334.
YE/BK
0.5
CHASSIS
&06&X88/Z88
GXL 7
50
15326827
5M GT150SLD CHASSIS
A
J317
A
P317
5F GT150SLD POA_RRLPL
15326822
1334
LH_TURN_06
Lights - Exterior
Lh Rear Turn Lp (SUV)
Page - ext_rr_lps - 1/2
18.
YE
0.8
CHASSIS
&36
GXL 7
50
15326820
4M GT150SLD CHASSIS
A
J390
A
P390
4F GT150SLD POA_RRLPL
15326815
18
LH_ST_TURN_36
Lights - Exterior
Lh Rear Stop/Turn Lp (UUV)
Page - ext_rr_lps - 5/6
1334.
YE/BK
0.5
CHASSIS
&06&Z75&EXPORT
GXL 7
50
A
A
1334
LH_TURN_LED
Lights - Exterior
Lh Rear Turn LED Lp
Page - ext_rr_lps - 4
18.
YE
0.5
CHASSIS
&06&Z75-EXPORT
GXL 7
50
15326833
6M GT150SLD CHASSIS
B
J323
B
P323
6F GT150SLD POA_RRLPL
15326829
18
LH_ST_TURN_LED
Lights - Exterior
Lh Rear Stop/Turn LED Lp
Page - ext_rr_lps - 3
18.
YE
0.8
CHASSIS
&03/43/53
GXL 7
50
15317304
8F GT280SLD CHASSIS
A
P290
A
18.
RRBLK
&03/43/53
RRBLK
H
H
P291
7F GT280SLD POA_RRLPL
15317305
18
LH_TURN_PU
Lights - Exterior
Stop/Turn Lamp
Page - ext_rr_lps- 7/8
19.
D-GN
0.8
CHASSIS
&03/43/53
GXL 7
50
15317304
8F GT280SLD CHASSIS
H
P290
H
19.
RRBLK
&03/43/53
F
F
P293
7F GT280SLD POA_RRLPR
15317306
19
RH_TURN_PU
Lights - Exterior
Stop/Turn Lamp
Page - ext_rr_lps- 7/8
1335.
D-GN/WH
0.5
CHASSIS
&06&X88/Z88
GXL 7
50
15326827
5M GT150SLD CHASSIS
A
J318
A
P318
5F GT150SLD POA_RRLPR
15326822
1335
RH_TURN_06
Lights - Exterior
Rh Rear Turn Lp (SUV)
Page - ext_rr_lps - 1/2
19.
D-GN
0.8
CHASSIS
&36
GXL 7
50
15326820
4M GT150SLD CHASSIS
A
J391
A
P391
4F GT150SLD POA_RRLPR
15326815
19
RH_ST_TURN_36
Lights - Exterior
Rh Rear Stop/Turn Lp (UUV)
Page - ext_rr_lps - 5/6
1335.
D-GN/WH
0.5
CHASSIS
&06&Z75&EXPORT
GXL 7
50
A
A
1335
RH_TURN_LED
Lights - Exterior
Rh Rear Turn LED Lp
Page - ext_rr_lps - 4
19.
D-GN
0.5
CHASSIS
&06&Z75-EXPORT
GXL 7
50
15326833
6M GT150SLD CHASSIS
B
J324
B
P324
6F GT150SLD POA_RRLPR
15326829
19
RH_ST_TURN_LED
Lights - Exterior
Rh Rear Stop/Turn LED Lp
Page - ext_rr_lps - 3

NOTE

• 1 – UPSIZED FOR VOLTAGE DROP.

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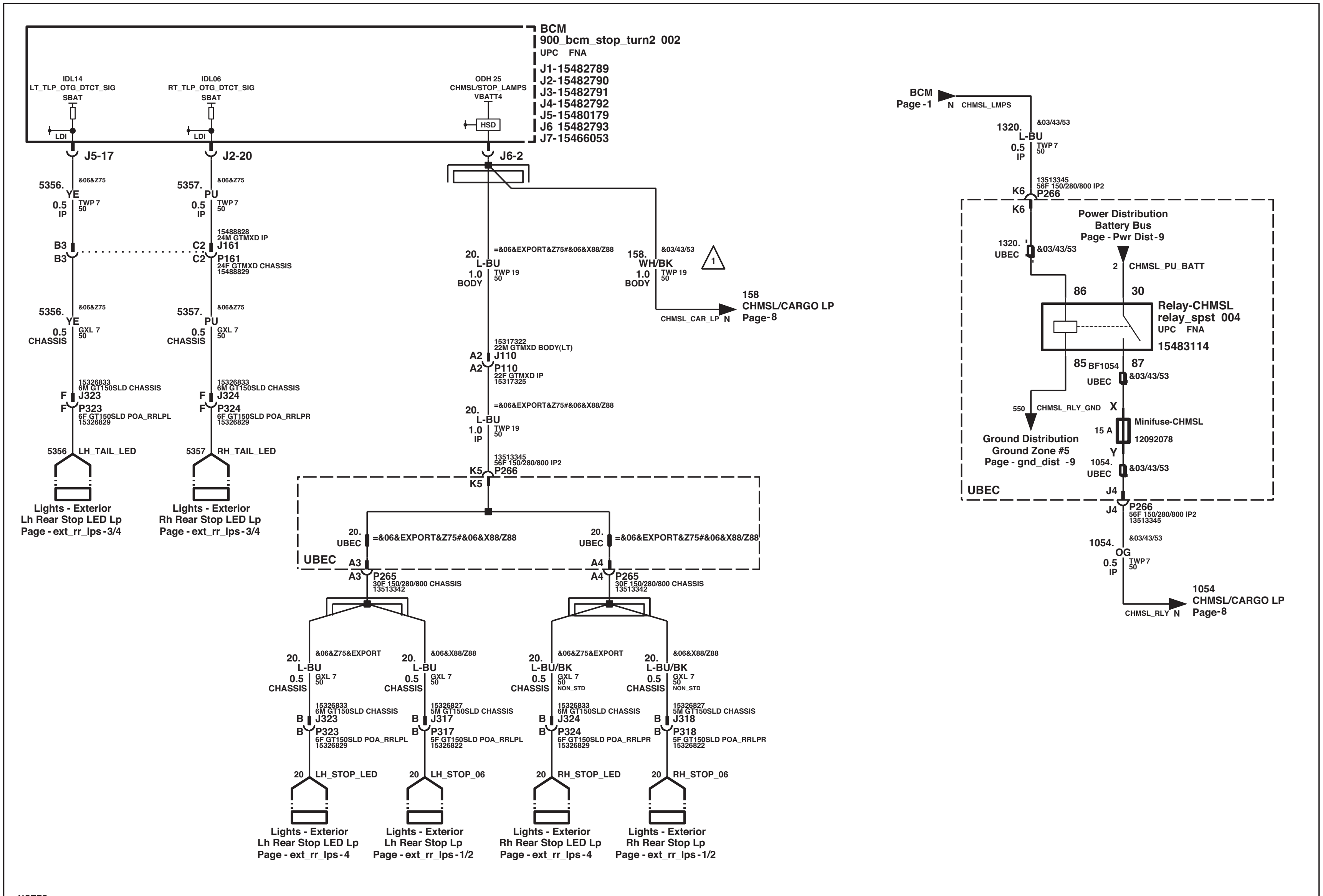
BCM
900_bcm_stop_turn2 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6 15482793
J7-15466053
IDL14
LT_TLP_OTG_DTCT_SIG
SBAT
LDI
IDL06
RT_TLP_OTG_DTCT_SIG
SBAT
LDI
ODH 25
CHMSL/STOP_LAMPS
VBATT4
HSD
J5-17
J2-20
J6-2
5356. YE 0.5 IP &06&Z75 TWP 7 50
5357. PU 0.5 IP &06&Z75 TWP 7 50
B3 B3
15488828 24M GTMXD IP C2 J161
C2 P161 24F GTMXD CHASSIS 15488829
5356. YE 0.5 CHASSIS &06&Z75 GXL 7 50
5357. PU 0.5 CHASSIS &06&Z75 GXL 7 50
15326833 6M GT150SLD CHASSIS F J323
F P323 6F GT150SLD POA_RRLPL 15326829
15326833 6M GT150SLD CHASSIS F J324
F P324 6F GT150SLD POA_RRLPR 15326829
5356 LH_TAIL_LED
5357 RH_TAIL_LED
Lights - Exterior
Lh Rear Stop LED Lp
Page - ext_rr_lps - 3/4
Lights - Exterior
Rh Rear Stop LED Lp
Page - ext_rr_lps - 3/4
20. L-BU 1.0 BODY =&06&EXPORT&Z75#&06&X88/Z88 TWP 19 50
158. WH/BK 1.0 BODY &03/43/53 TWP 19 50
1
158
CHMSL/CARGO LP
Page-8
CHMSL_CAR_LP N
15317322 22M GTMXD BODY(LT) A2 J110
A2 P110 22F GTMXD IP 15317325
20. L-BU 1.0 IP =&06&EXPORT&Z75#&06&X88/Z88 TWP 19 50
13513345 56F 150/280/800 IP2 K5 P266
K5
20. UBEC =&06&EXPORT&Z75#&06&X88/Z88
20. UBEC =&06&EXPORT&Z75#&06&X88/Z88
UBEC
A3 A3 P265 30F 150/280/800 CHASSIS 13513342
A4 A4 P265 30F 150/280/800 CHASSIS 13513342
20. L-BU 0.5 CHASSIS &06&Z75&EXPORT GXL 7 50
20. L-BU 0.5 CHASSIS &06&X88/Z88 GXL 7 50
20. L-BU/BK 0.5 CHASSIS &06&Z75&EXPORT GXL 7 50 NON_STD
20. L-BU/BK 0.5 CHASSIS &06&X88/Z88 GXL 7 50 NON_STD
15326833 6M GT150SLD CHASSIS B J323
B P323 6F GT150SLD POA_RRLPL 15326829
15326827 5M GT150SLD CHASSIS B J317
B P317 5F GT150SLD POA_RRLPL 15326822
15326833 6M GT150SLD CHASSIS B J324
B P324 6F GT150SLD POA_RRLPR 15326829
15326827 5M GT150SLD CHASSIS B J318
B P318 5F GT150SLD POA_RRLPR 15326822
20 LH_STOP_LED
20 LH_STOP_06
20 RH_STOP_LED
20 RH_STOP_06
Lights - Exterior
Lh Rear Stop LED Lp
Page - ext_rr_lps - 4
Lights - Exterior
Lh Rear Stop Lp
Page - ext_rr_lps - 1/2
Lights - Exterior
Rh Rear Stop LED Lp
Page - ext_rr_lps - 4
Lights - Exterior
Rh Rear Stop Lp
Page - ext_rr_lps - 1/2
BCM
Page - 1
N CHMSL_LMPS
1320. L-BU 0.5 IP &03/43/53 TWP 7 50
13513345 56F 150/280/800 IP2 K6 P266
K6
Power Distribution
Battery Bus
Page - Pwr Dist - 9
1320. UBEC &03/43/53
2 CHMSL_PU_BATT
86
30
Relay-CHMSL
relay_spst 004
UPC FNA
15483114
85 BF1054
87
UBEC &03/43/53
550 CHMSL_RLY_GND
X
Minifuse-CHMSL
15 A
12092078
Y
Ground Distribution
Ground Zone #5
Page - gnd_dist - 9
1054. UBEC &03/43/53
UBEC
J4
J4 P266 56F 150/280/800 IP2 13513345
1054. OG 0.5 IP &03/43/53 TWP 7 50
1054
CHMSL/CARGO LP
Page-8
CHMSL_RLY N

NOTES

- 1 – CIRCUIT 158 IS 1.0 FOR MECHANICAL STRENGTH.

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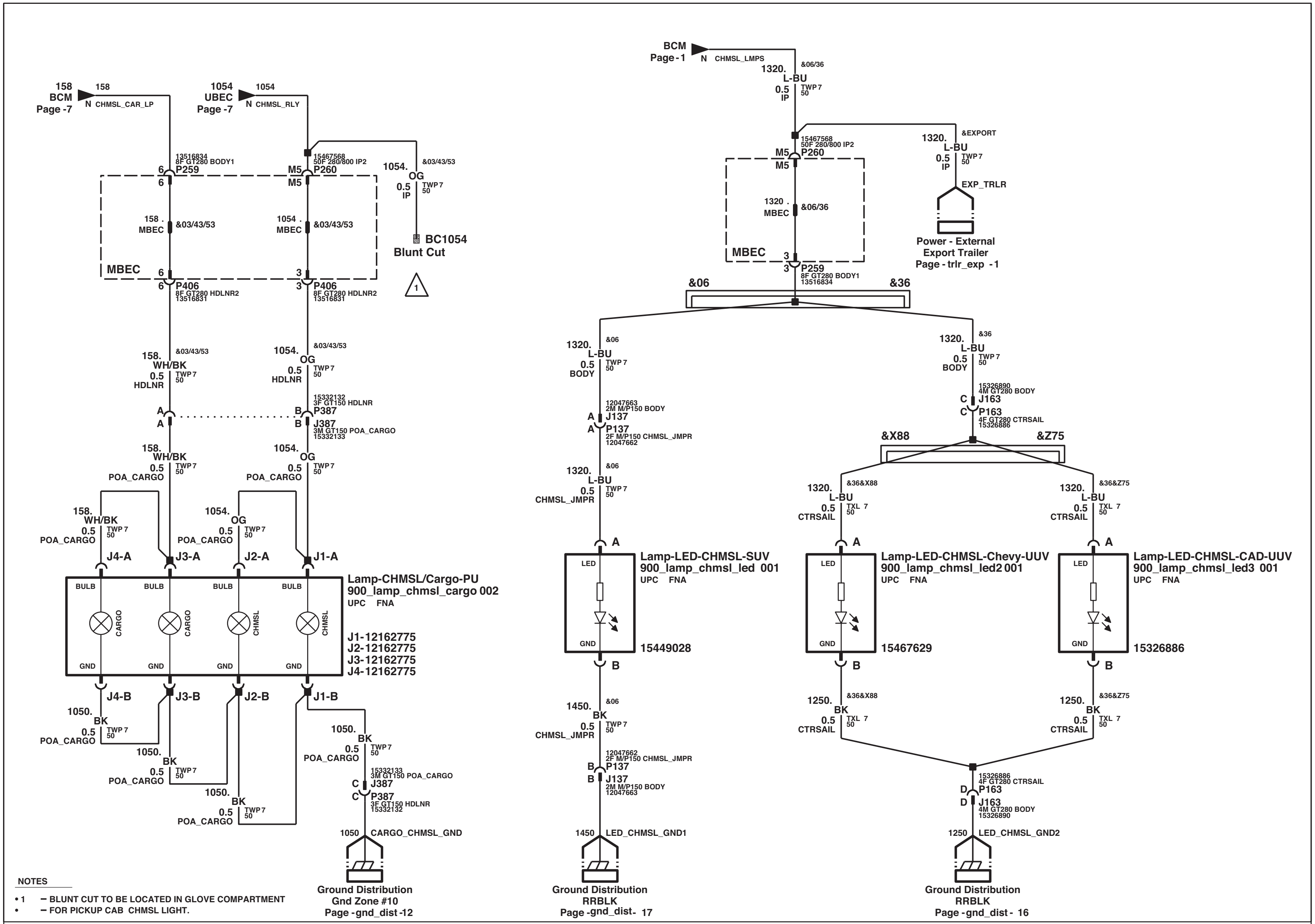
158 BCM Page -7
158
N CHMSL_CAR_LP
1054 UBEC Page -7
1054
N CHMSL_RLY
13516834 8F GT280 BODY1
6 P259
15467568 50F 280/800 IP2
M5 P260
1054. OG 0.5 IP TWP 7 50 &03/43/53
BC1054 Blunt Cut
1
158 . MBEC &03/43/53
1054 . MBEC &03/43/53
MBEC
6 P406 8F GT280 HDLNR2 13516831
3 P406 8F GT280 HDLNR2 13516831
158. WH/BK 0.5 HDLNR TWP 7 50 &03/43/53
1054. OG 0.5 HDLNR TWP 7 50 &03/43/53
15332132 3F GT150 HDLNR
B P387
B J387 3M GT150 POA_CARGO 15332133
A
158. WH/BK 0.5 POA_CARGO TWP 7 50
1054. OG 0.5 POA_CARGO TWP 7 50
158. WH/BK 0.5 POA_CARGO TWP 7 50
1054. OG 0.5 POA_CARGO TWP 7 50
J4-A
J3-A
J2-A
J1-A
BULB
CARGO
CHMSL
GND
Lamp-CHMSL/Cargo-PU
900_lamp_chmsl_cargo 002
UPC FNA
J1-12162775
J2-12162775
J3-12162775
J4-12162775
J4-B
J3-B
J2-B
J1-B
1050. BK 0.5 POA_CARGO TWP 7 50
15332133 3M GT150 POA_CARGO
C J387
C P387 3F GT150 HDLNR 15332132
1050 CARGO_CHMSL_GND
Ground Distribution
Gnd Zone #10
Page - gnd_dist -12
BCM Page - 1
N CHMSL_LMPS
1320. L-BU 0.5 IP TWP 7 50 &06/36
15467568 50F 280/800 IP2
M5 P260
1320. L-BU 0.5 IP TWP 7 50 &EXPORT
EXP_TRLR
Power - External Export Trailer Page - trlr_exp - 1
1320 . MBEC &06/36
MBEC
3 P259 8F GT280 BODY1 13516834
&06
&36
1320. L-BU 0.5 BODY TWP 7 50 &06
12047663 2M M/P150 BODY
A J137
A P137 2F M/P150 CHMSL_JMPR 12047662
1320. L-BU 0.5 CHMSL_JMPR TWP 7 50 &06
1320. L-BU 0.5 BODY TWP 7 50 &36
15326890 4M GT280 BODY
C J163
C P163 4F GT280 CTRSAIL 15326886
&X88
&Z75
1320. L-BU 0.5 CTRSAIL TXL 7 50 &36&X88
1320. L-BU 0.5 CTRSAIL TXL 7 50 &36&Z75
A
LED
GND
B
Lamp-LED-CHMSL-SUV
900_lamp_chmsl_led 001
UPC FNA
15449028
Lamp-LED-CHMSL-Chevy-UUV
900_lamp_chmsl_led2 001
UPC FNA
15467629
Lamp-LED-CHMSL-CAD-UUV
900_lamp_chmsl_led3 001
UPC FNA
15326886
1450. BK 0.5 CHMSL_JMPR TWP 7 50 &06
12047662 2M M/P150 CHMSL_JMPR
B P137
B J137 2M M/P150 BODY 12047663
1450 LED_CHMSL_GND1
Ground Distribution RRBLK Page - gnd_dist - 17
1250. BK 0.5 CTRSAIL TXL 7 50 &36&X88
1250. BK 0.5 CTRSAIL TXL 7 50 &36&Z75
15326886 4F GT280 CTRSAIL
D P163
D J163 4M GT280 BODY 15326890
1250 LED_CHMSL_GND2
Ground Distribution RRBLK Page - gnd_dist - 16

NOTES

- 1 – BLUNT CUT TO BE LOCATED IN GLOVE COMPARTMENT
- – FOR PICKUP CAB CHMSL LIGHT.

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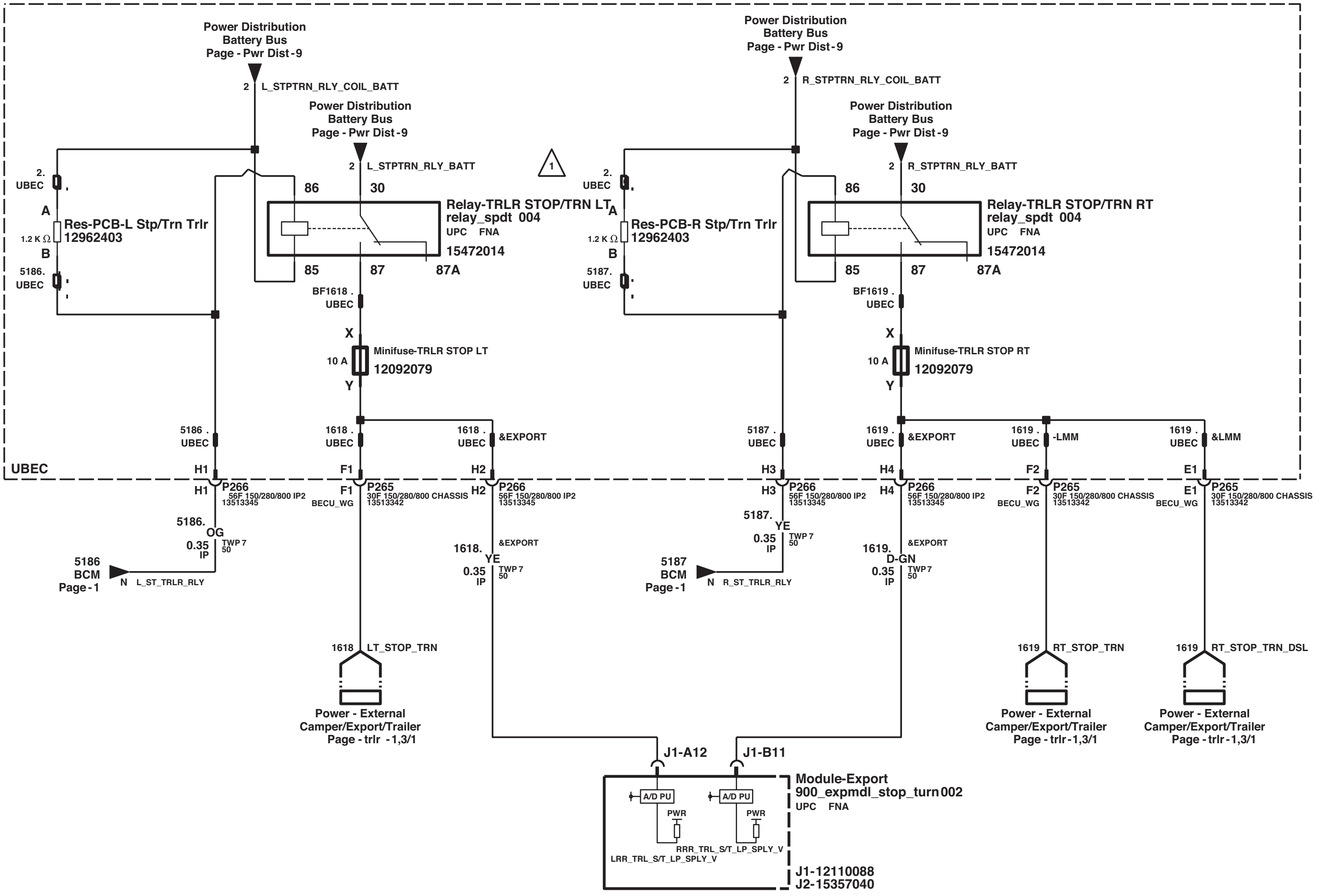
Power Distribution
Battery Bus
Page - Pwr Dist - 9
2 L_STPTRN_RLY_COIL_BATT
Power Distribution
Battery Bus
Page - Pwr Dist - 9
2 L_STPTRN_RLY_BATT
2. UBEC
A
Res-PCB-L Stp/Trn Trlr
1.2 K Ω 12962403
B
5186. UBEC
86
30
Relay-TRLR STOP/TRN LT
relay_spdt 004
UPC FNA
15472014
85
87
87A
BF1618 . UBEC
X
Minifuse-TRLR STOP LT
10 A
12092079
Y
1
Power Distribution
Battery Bus
Page - Pwr Dist - 9
2 R_STPTRN_RLY_COIL_BATT
Power Distribution
Battery Bus
Page - Pwr Dist - 9
2 R_STPTRN_RLY_BATT
2. UBEC
A
Res-PCB-R Stp/Trn Trlr
1.2 K Ω 12962403
B
5187. UBEC
86
30
Relay-TRLR STOP/TRN RT
relay_spdt 004
UPC FNA
15472014
85
87
87A
BF1619 . UBEC
X
Minifuse-TRLR STOP RT
10 A
12092079
Y
5186 . UBEC
1618 . UBEC
1618 . UBEC &EXPORT
5187 . UBEC
1619 . UBEC &EXPORT
1619 . UBEC -LMM
1619 . UBEC &LMM
UBEC
H1 H1 P266 56F 150/280/800 IP2 13513345
F1 F1 BECU_WG P265 30F 150/280/800 CHASSIS 13513342
H2 H2 P266 56F 150/280/800 IP2 13513345
H3 H3 P266 56F 150/280/800 IP2 13513345
H4 H4 P266 56F 150/280/800 IP2 13513345
F2 F2 BECU_WG P265 30F 150/280/800 CHASSIS 13513342
E1 E1 BECU_WG P265 30F 150/280/800 CHASSIS 13513342
5186. OG 0.35 IP TWP 7 50
5186 BCM Page - 1 N L_ST_TRLR_RLY
&EXPORT 1618. YE 0.35 IP TWP 7 50
5187. YE 0.35 IP TWP 7 50
5187 BCM Page - 1 N R_ST_TRLR_RLY
&EXPORT 1619. D-GN 0.35 IP TWP 7 50
1618 LT_STOP_TRN
Power - External
Camper/Export/Trailer
Page - trlr - 1,3/1
1619 RT_STOP_TRN
Power - External
Camper/Export/Trailer
Page - trlr - 1,3/1
1619 RT_STOP_TRN_DSL
Power - External
Camper/Export/Trailer
Page - trlr - 1,3/1
J1-A12
J1-B11
Module-Export
900_expmdl_stop_turn 002
UPC FNA
A/D PU
A/D PU
PWR
PWR
RRR_TRL_S/T_LP_SPLY_V
LRR_TRL_S/T_LP_SPLY_V
J1-12110088
J2-15357040

NOTES
- 1 – THE TRAILER STOP/TURN RELAYS SHOULD BE OUTSIDE THE PASSENGER COMPARTMENT
  – TO AVOID THE SYNCHRONIZATION CONCERNS WITH THE TURN SIGNAL CLICK/CLACK SOUND

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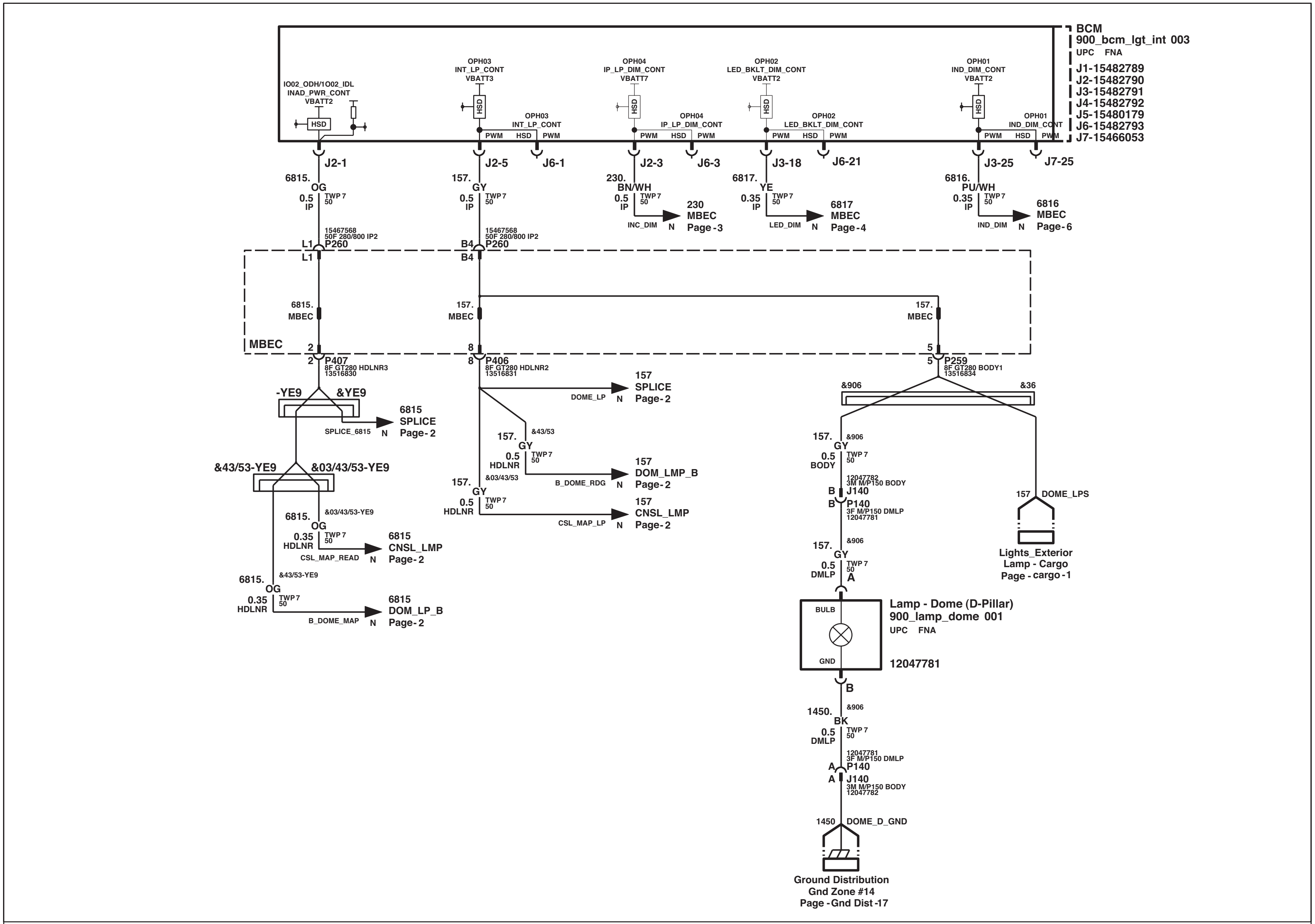
Lights - Exterior: Stop/Turn
1_08_lgt_ext_stop Panel 9 of 9

2008
GMT900

System Status: Object Status:

Lights – Interior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900_bcm_lgt_int 003
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J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IO02_ODH/1O02_IDL
INAD_PWR_CONT
VBATT2
HSD
OPH03
INT_LP_CONT
VBATT3
OPH04
IP_LP_DIM_CONT
VBATT7
OPH02
LED_BKLT_DIM_CONT
VBATT2
OPH01
IND_DIM_CONT
VBATT2
PWM
HSD
J2-1
J2-5
J6-1
J2-3
J6-3
J3-18
J6-21
J3-25
J7-25
6815. OG 0.5 IP TWP 7 50
157. GY 0.5 IP TWP 7 50
230. BN/WH 0.5 IP TWP 7 50
230 MBEC Page-3 INC_DIM N
6817. YE 0.35 IP TWP 7 50
6817 MBEC Page-4 LED_DIM N
6816. PU/WH 0.35 IP TWP 7 50
6816 MBEC Page-6 IND_DIM N
15467568 50F 280/800 IP2
L1 P260 L1
B4 P260 B4
6815. MBEC
157. MBEC
157. MBEC
MBEC
2 P407 2 8F GT280 HDLNR3 13516830
8 P406 8 8F GT280 HDLNR2 13516831
5 P259 5 8F GT280 BODY1 13516834
-YE9
&YE9
6815 SPLICE Page-2 SPLICE_6815 N
&43/53-YE9
&03/43/53-YE9
6815. OG 0.35 HDLNR TWP 7 50 &03/43/53-YE9
6815 CNSL_LMP Page-2 CSL_MAP_READ N
6815. OG 0.35 HDLNR TWP 7 50 &43/53-YE9
6815 DOM_LP_B Page-2 B_DOME_MAP N
157 SPLICE Page-2 DOME_LP N
157. GY 0.5 HDLNR TWP 7 50 &43/53
157 DOM_LMP_B Page-2 B_DOME_RDG N
157. GY 0.5 HDLNR TWP 7 50 &03/43/53
157 CNSL_LMP Page-2 CSL_MAP_LP N
&906
&36
157. GY 0.5 BODY TWP 7 50 &906
12047782 3M M/P150 BODY
B J140
B P140
3F M/P150 DMLP 12047781
157. GY 0.5 DMLP TWP 7 50 &906
A
157 DOME_LPS
Lights_Exterior
Lamp - Cargo
Page - cargo-1
Lamp - Dome (D-Pillar)
900_lamp_dome 001
UPC FNA
BULB
GND
12047781
B
1450. BK 0.5 DMLP TWP 7 50 &906
12047781 3F M/P150 DMLP
A P140
A J140
3M M/P150 BODY 12047782
1450 DOME_D_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist-17

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GM Proprietary

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IEC/ESI

Lights-Interior:
LI01 Panel 1 of 7

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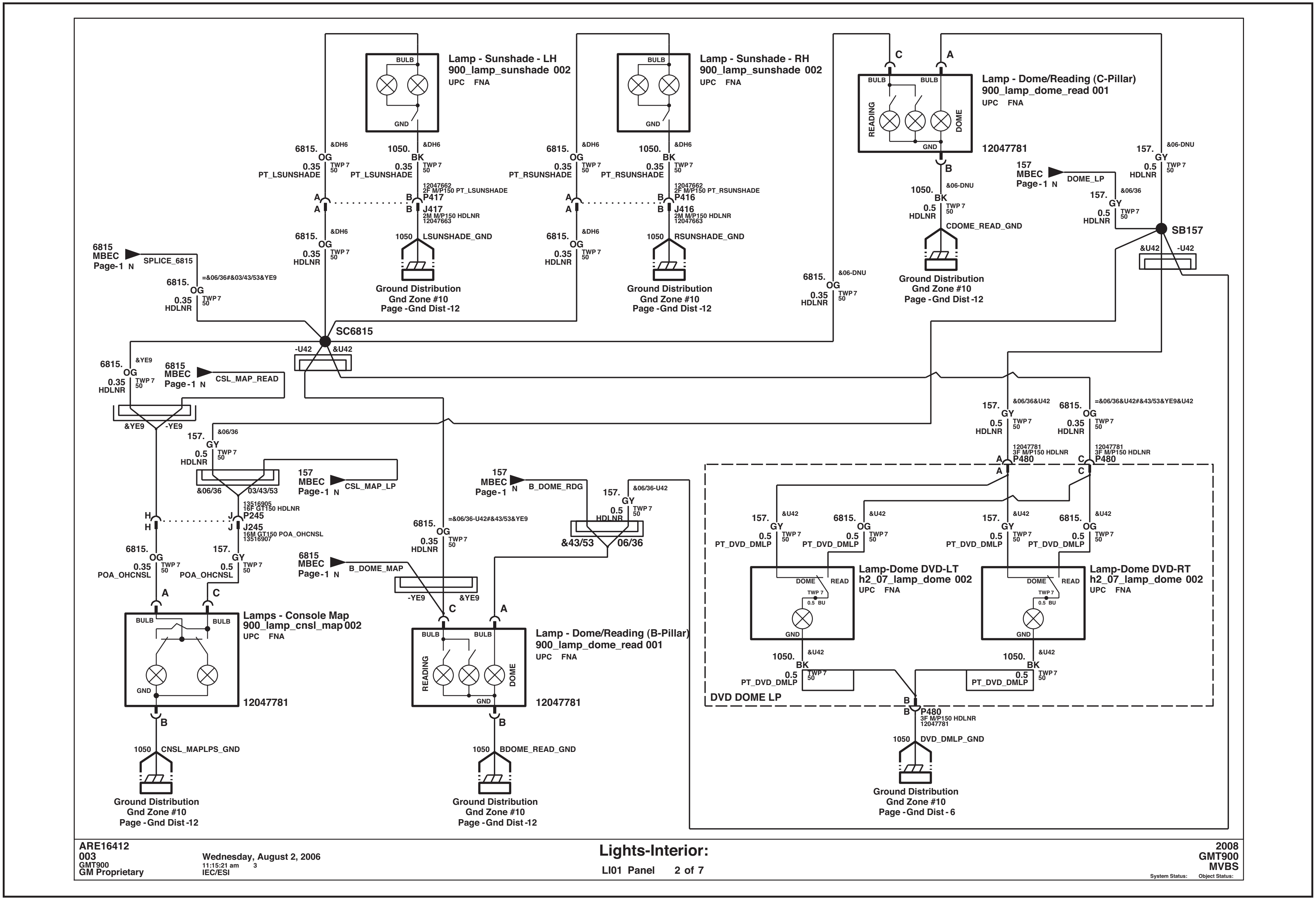
GMT900
MVBS
System Status: Object Status:

Lights – Interior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BULB
GND
Lamp - Sunshade - RH
900_lamp_sunshade 002
UPC FNA
Lamp - Dome/Reading (C-Pillar)
900_lamp_dome_read 001
UPC FNA
READING
DOME
12047781
6815. OG 0.35 PT_LSUNSHADE
1050. BK 0.35 PT_LSUNSHADE
&DH6
TWP 7 50
12047662 2F M/P150 PT_LSUNSHADE
P417
J417
2M M/P150 HDLNR 12047663
6815. OG 0.35 HDLNR
1050 LSUNSHADE_GND
6815. OG 0.35 PT_RSUNSHADE
1050. BK 0.35 PT_RSUNSHADE
12047662 2F M/P150 PT_RSUNSHADE
P416
J416
2M M/P150 HDLNR 12047663
1050 RSUNSHADE_GND
1050. BK 0.5 HDLNR
&06-DNU
CDOME_READ_GND
157 MBEC Page-1 N DOME_LP
157. GY 0.5 HDLNR
&06/36
SB157
&U42 -U42
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -12
6815 MBEC Page-1 N SPLICE_6815
=&06/36#&03/43/53&YE9
6815. OG 0.35 HDLNR
6815. OG 0.35 HDLNR &06-DNU
SC6815
-U42 &U42
6815. OG 0.35 HDLNR &YE9
6815 MBEC Page-1 N CSL_MAP_READ
&YE9 -YE9
157. GY 0.5 HDLNR &06/36
157 MBEC Page-1 N CSL_MAP_LP
&06/36 03/43/53
13516905 16F GT150 HDLNR
P245
J245
16M GT150 POA_OHCNSL 13516907
6815. OG 0.35 POA_OHCNSL
157. GY 0.5 POA_OHCNSL
Lamps - Console Map
900_lamp_cnsl_map 002
UPC FNA
12047781
1050 CNSL_MAPLPS_GND
6815. OG 0.35 HDLNR =&06/36-U42#&43/53#YE9
6815 MBEC Page-1 N B_DOME_MAP
-YE9 &YE9
157 MBEC Page-1 N B_DOME_RDG
157. GY 0.5 HDLNR &06/36-U42
&43/53 06/36
Lamp - Dome/Reading (B-Pillar)
900_lamp_dome_read 001
UPC FNA
12047781
1050 BDOME_READ_GND
157. GY 0.5 HDLNR &06/36&U42
6815. OG 0.35 HDLNR =&06/36&U42#&43/53&YE9&U42
12047781 3F M/P150 HDLNR
P480
157. GY 0.5 PT_DVD_DMLP &U42
6815. OG 0.5 PT_DVD_DMLP &U42
Lamp-Dome DVD-LT
h2_07_lamp_dome 002
UPC FNA
Lamp-Dome DVD-RT
h2_07_lamp_dome 002
UPC FNA
DOME READ
TWP 7 0.5 BU
1050. BK 0.5 PT_DVD_DMLP &U42
DVD DOME LP
P480
3F M/P150 HDLNR 12047781
1050 DVD_DMLP_GND
Ground Distribution
Gnd Zone #10
Page -Gnd Dist - 6
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Lights-Interior:
LI01 Panel 2 of 7
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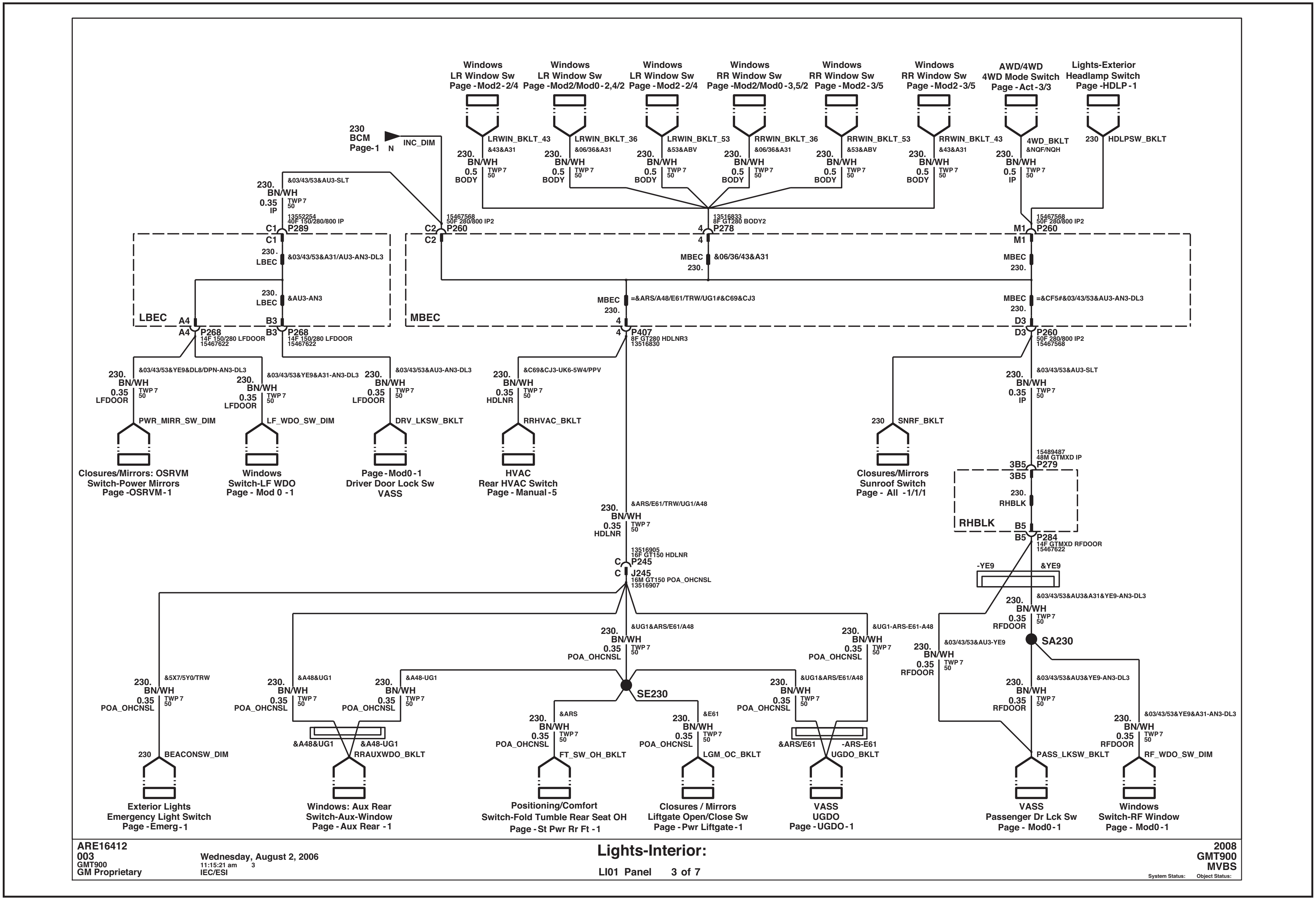
MVBS
System Status: Object Status:

Lights – Interior


Windows
LR Window Sw
Page -Mod2-2/4
Windows
LR Window Sw
Page -Mod2/Mod0-2,4/2
Windows
LR Window Sw
Page -Mod2-2/4
Windows
RR Window Sw
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Windows
RR Window Sw
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Windows
RR Window Sw
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4WD Mode Switch
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Headlamp Switch
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N
INC_DIM
LRWIN_BKLT_43
LRWIN_BKLT_36
LRWIN_BKLT_53
RRWIN_BKLT_36
RRWIN_BKLT_53
RRWIN_BKLT_43
4WD_BKLT
HDLPSW_BKLT
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230. BN/WH 0.5 IP TWP 7 50
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&06/36&A31
&53&ABV
&NQF/NQH
230. BN/WH 0.35 IP TWP 7 50
&03/43/53&AU3-SLT
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C1 P289
15467568 50F 280/800 IP2
C2 P260
13516833 8F GT280 BODY2
4 P278
15467568 50F 280/800 IP2
M1 P260
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&03/43/53&A31/AU3-AN3-DL3
&AU3-AN3
LBEC
MBEC
&06/36/43&A31
=&ARS/A48/E61/TRW/UG1#&C69&CJ3
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A4 P268 14F 150/280 LFDOOR 15467622
B3 P268 14F 150/280 LFDOOR 15467622
4 P407 8F GT280 HDLNR3 13516830
D3 P260 50F 280/800 IP2 15467568
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&03/43/53&YE9&A31-AN3-DL3
&03/43/53&AU3-AN3-DL3
&C69&CJ3-UK6-5W4/PPV
&03/43/53&AU3-SLT
230. BN/WH 0.35 LFDOOR TWP 7 50
230. BN/WH 0.35 HDLNR TWP 7 50
PWR_MIRR_SW_DIM
LF_WDO_SW_DIM
DRV_LKSW_BKLT
RRHVAC_BKLT
230 SNRF_BKLT
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Switch-LF WDO
Page - Mod 0 -1
Page -Mod0-1
Driver Door Lock Sw
VASS
HVAC
Rear HVAC Switch
Page - Manual-5
Closures/Mirrors
Sunroof Switch
Page - All -1/1/1
15489487 48M GTMXD IP
3B5 P279
230. RHBLK
RHBLK
B5 P284 14F GTMXD RFDOOR 15467622
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13516905 16F GT150 HDLNR
C P245
C J245 16M GT150 POA_OHCNSL 13516907
-YE9
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&03/43/53&AU3&A31&YE9-AN3-DL3
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SA230
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&03/43/53&AU3-YE9
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SE230
&ARS
&E61
&03/43/53&YE9&A31-AN3-DL3
&A48&UG1
&A48-UG1
&ARS/E61
-ARS-E61
230 BEACONSW_DIM
RRAUXWDO_BKLT
FT_SW_OH_BKLT
LGM_OC_BKLT
UGDO_BKLT
PASS_LKSW_BKLT
RF_WDO_SW_DIM
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Positioning/Comfort
Switch-Fold Tumble Rear Seat OH
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Closures / Mirrors
Liftgate Open/Close Sw
Page -Pwr Liftgate-1
VASS
UGDO
Page -UGDO-1
VASS
Passenger Dr Lck Sw
Page - Mod0-1
Windows
Switch-RF Window
Page - Mod0-1
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003
GMT900
GM Proprietary
Wednesday, August 2, 2006
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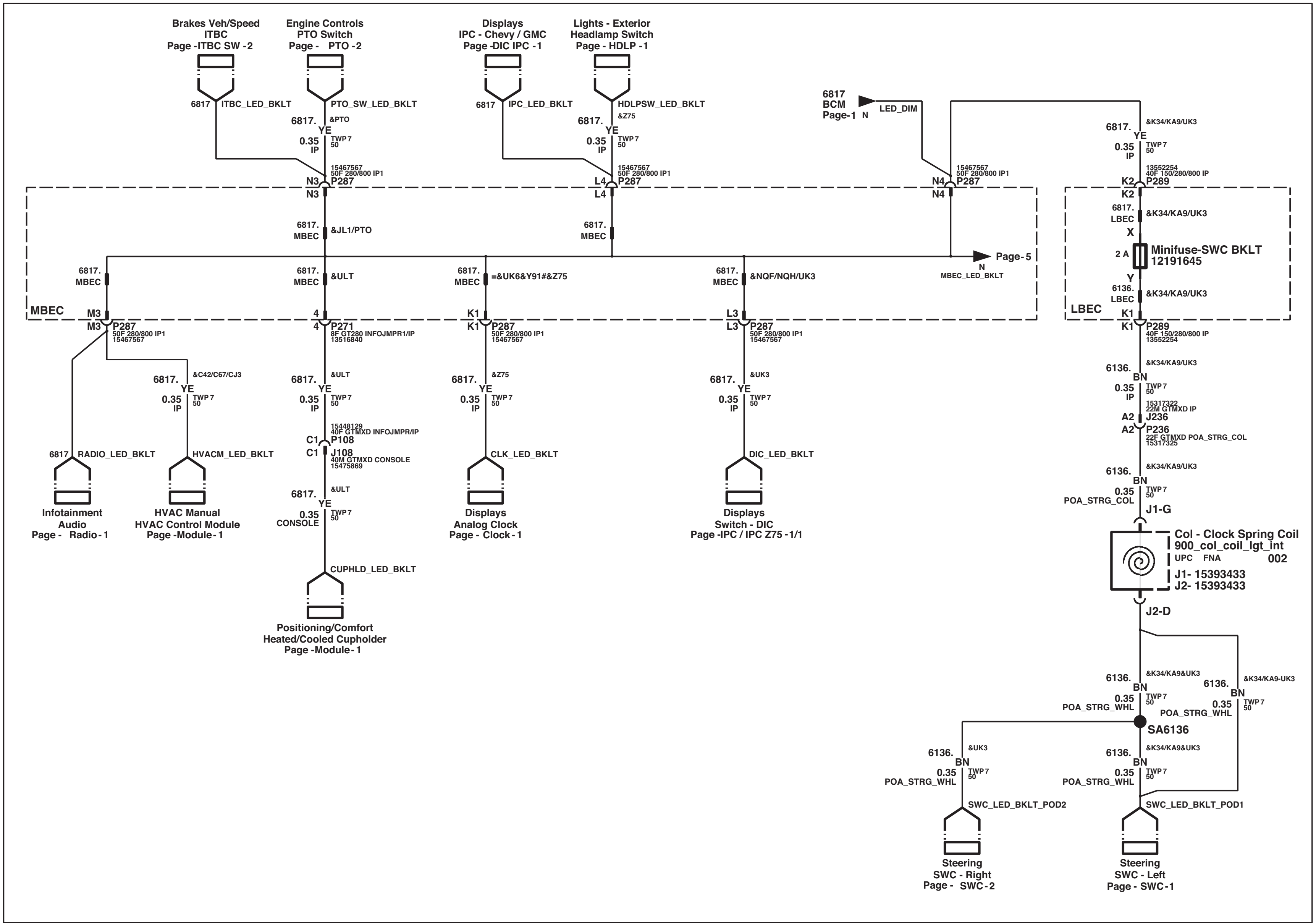
IEC/ESI
Lights-Interior:
LI01 Panel 3 of 7
2008
GMT900
MVBS
System Status:
Object Status:

Lights – Interior


Brakes Veh/Speed
ITBC
Page -ITBC SW -2
Engine Controls
PTO Switch
Page - PTO -2
Displays
IPC - Chevy / GMC
Page -DIC IPC -1
Lights - Exterior
Headlamp Switch
Page - HDLP -1
6817 ITBC_LED_BKLT
PTO_SW_LED_BKLT
6817. YE &PTO
0.35 IP TWP 7 50
6817 IPC_LED_BKLT
HDLPSW_LED_BKLT
6817. YE &Z75
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6817
BCM
Page-1 N
LED_DIM
6817. YE &K34/KA9/UK3
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15467567
50F 280/800 IP1
N3 P287
N3
L4 P287
L4
N4 P287
N4
13552254
40F 150/280/800 IP
K2 P289
K2
6817. MBEC &JL1/PTO
6817. MBEC
6817. LBEC &K34/KA9/UK3
X
2 A
Minifuse-SWC BKLT
12191645
Y
6136. LBEC &K34/KA9/UK3
Page- 5
N
MBEC_LED_BKLT
6817. MBEC
6817. MBEC &ULT
6817. MBEC =&UK6&Y91#&Z75
6817. MBEC &NQF/NQH/UK3
MBEC
LBEC
M3 P287
M3
50F 280/800 IP1
15467567
4 P271
4
8F GT280 INFOJMPR1/IP
13516840
K1 P287
K1
L3 P287
L3
K1 P289
K1
40F 150/280/800 IP
13552254
6817. YE &C42/C67/CJ3
0.35 IP TWP 7 50
6817. YE &ULT
0.35 IP TWP 7 50
6817. YE &Z75
0.35 IP TWP 7 50
6817. YE &UK3
0.35 IP TWP 7 50
6136. BN &K34/KA9/UK3
0.35 IP TWP 7 50
15317322
22M GTMXD IP
A2 J236
A2 P236
22F GTMXD POA_STRG_COL
15317325
15448129
40F GTMXD INFOJMPR/IP
C1 P108
C1 J108
40M GTMXD CONSOLE
15475869
6817 RADIO_LED_BKLT
HVACM_LED_BKLT
CLK_LED_BKLT
DIC_LED_BKLT
6136. BN &K34/KA9/UK3
0.35 POA_STRG_COL TWP 7 50
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6817. YE &ULT
0.35 CONSOLE TWP 7 50
Infotainment
Audio
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HVAC Manual
HVAC Control Module
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Displays
Analog Clock
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Displays
Switch - DIC
Page -IPC / IPC Z75 -1/1
Col - Clock Spring Coil
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UPC FNA 002
J1- 15393433
J2- 15393433
CUPHLD_LED_BKLT
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Heated/Cooled Cupholder
Page -Module- 1
6136. BN &K34/KA9&UK3
0.35 POA_STRG_WHL TWP 7 50
6136. BN &K34/KA9-UK3
0.35 POA_STRG_WHL TWP 7 50
SA6136
6136. BN &UK3
0.35 POA_STRG_WHL TWP 7 50
6136. BN &K34/KA9&UK3
0.35 POA_STRG_WHL TWP 7 50
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SWC_LED_BKLT_POD1
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SWC - Right
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SWC - Left
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Lights-Interior:

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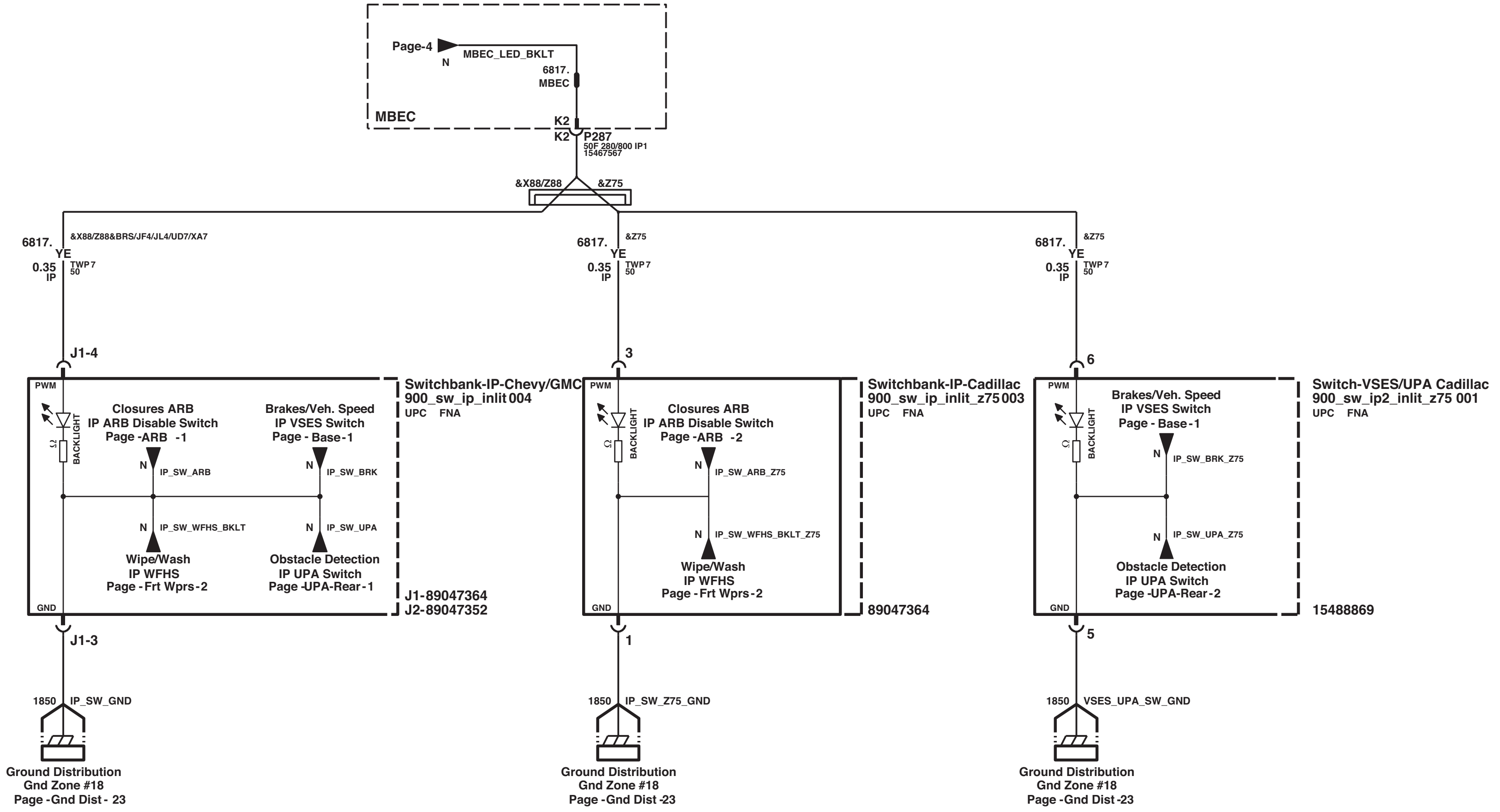
GMT900
MVBS
System Status: Object Status:

Lights – Interior


Page-4
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MBEC_LED_BKLT
6817.
MBEC
MBEC
K2
K2
P287
50F 280/800 IP1
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&Z75
6817.
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YE
0.35
IP
TWP 7
50
J1-4
PWM
BACKLIGHT
Ω
Closures ARB
IP ARB Disable Switch
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N
IP_SW_ARB
Brakes/Veh. Speed
IP VSES Switch
Page - Base-1
N
IP_SW_BRK
N
IP_SW_WFHS_BKLT
Wipe/Wash
IP WFHS
Page -Frt Wprs-2
N
IP_SW_UPA
Obstacle Detection
IP UPA Switch
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GND
Switchbank-IP-Chevy/GMC
900_sw_ip_inlit 004
UPC FNA
J1-89047364
J2-89047352
J1-3
1850
IP_SW_GND
Ground Distribution
Gnd Zone #18
Page -Gnd Dist- 23
6817.
&Z75
YE
0.35
IP
TWP 7
50
3
PWM
BACKLIGHT
Ω
Closures ARB
IP ARB Disable Switch
Page -ARB -2
N
IP_SW_ARB_Z75
N
IP_SW_WFHS_BKLT_Z75
Wipe/Wash
IP WFHS
Page -Frt Wprs-2
GND
Switchbank-IP-Cadillac
900_sw_ip_inlit_z75 003
UPC FNA
89047364
1
1850
IP_SW_Z75_GND
Ground Distribution
Gnd Zone #18
Page -Gnd Dist -23
6817.
&Z75
YE
0.35
IP
TWP 7
50
6
PWM
BACKLIGHT
Ω
Brakes/Veh. Speed
IP VSES Switch
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N
IP_SW_BRK_Z75
N
IP_SW_UPA_Z75
Obstacle Detection
IP UPA Switch
Page -UPA-Rear-2
GND
Switch-VSES/UPA Cadillac
900_sw_ip2_inlit_z75 001
UPC FNA
15488869
5
1850
VSES_UPA_SW_GND
Ground Distribution
Gnd Zone #18
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IEC/ESI

Lights-Interior:

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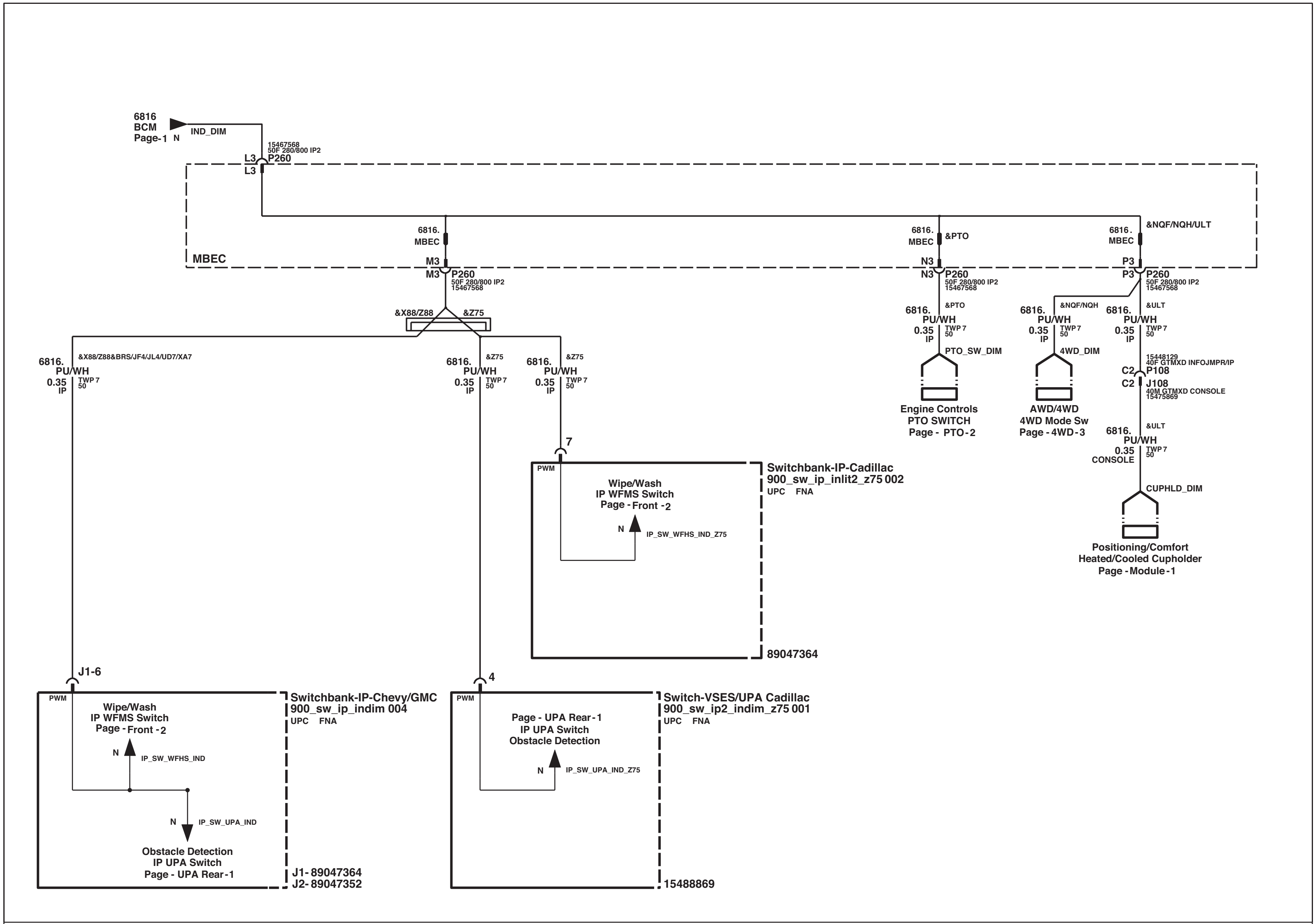
GMT900
MVBS
System Status: Object Status:

Lights – Interior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Page-1
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IND_DIM
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50F 280/800 IP2
L3
P260
L3
MBEC
6816.
MBEC
M3
M3
P260
50F 280/800 IP2
15467568
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&Z75
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PU/WH
0.35
IP
TWP 7
50
&X88/Z88&BRS/JF4/JL4/UD7/XA7
&Z75
&Z75
7
PWM
Wipe/Wash
IP WFMS Switch
Page - Front - 2
N
IP_SW_WFHS_IND_Z75
Switchbank-IP-Cadillac
900_sw_ip_inlit2_z75 002
UPC FNA
89047364
J1-6
PWM
Wipe/Wash
IP WFMS Switch
Page - Front - 2
N
IP_SW_WFHS_IND
N
IP_SW_UPA_IND
Obstacle Detection
IP UPA Switch
Page - UPA Rear - 1
Switchbank-IP-Chevy/GMC
900_sw_ip_indim 004
UPC FNA
J1- 89047364
J2- 89047352
4
PWM
Page - UPA Rear - 1
IP UPA Switch
Obstacle Detection
N
IP_SW_UPA_IND_Z75
Switch-VSES/UPA Cadillac
900_sw_ip2_indim_z75 001
UPC FNA
15488869
6816.
MBEC
&PTO
N3
N3
P260
50F 280/800 IP2
15467568
&PTO
6816.
PU/WH
0.35
IP
TWP 7
50
PTO_SW_DIM
Engine Controls
PTO SWITCH
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6816.
MBEC
&NQF/NQH/ULT
P3
P3
P260
50F 280/800 IP2
15467568
&NQF/NQH
6816.
PU/WH
0.35
IP
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4WD_DIM
AWD/4WD
4WD Mode Sw
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&ULT
6816.
PU/WH
0.35
IP
TWP 7
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C2
P108
C2
J108
40M GTMXD CONSOLE
15475869
&ULT
6816.
PU/WH
0.35
CONSOLE
TWP 7
50
CUPHLD_DIM
Positioning/Comfort
Heated/Cooled Cupholder
Page - Module - 1

ARE16412
003
GMT900
GM Proprietary

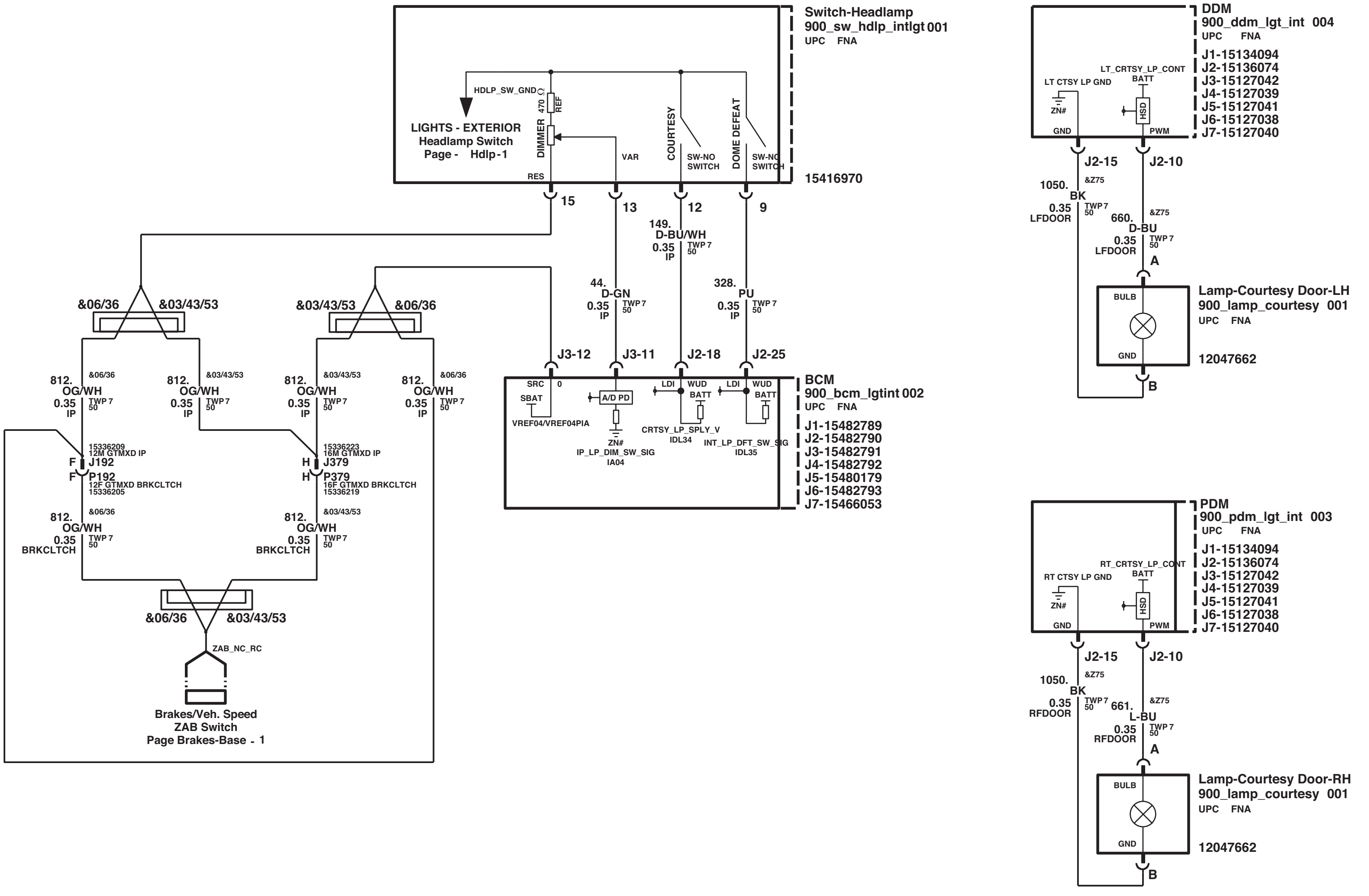
Wednesday, August 2, 2006
11:15:21 am 3
IEC/ESI

Lights-Interior:

LI01 Panel 6 of 7

2008
GMT900
MVBS
System Status: Object Status:

Lights – Interior


Switch-Headlamp
900_sw_hdlp_intlgt 001
UPC FNA
15416970
HDLP_SW_GND
470 Ω
REF
LIGHTS - EXTERIOR
Headlamp Switch
Page - Hdlp - 1
DIMMER
RES
VAR
COURTESY
SW-NO SWITCH
DOME DEFEAT
SW-NO SWITCH
15
13
12
9
149.
D-BU/WH
0.35 IP
TWP 7 50
44.
D-GN
0.35 IP
TWP 7 50
328.
PU
0.35 IP
TWP 7 50
J3-12
J3-11
J2-18
J2-25
SRC
0
SBAT
VREF04/VREF04PIA
A/D PD
ZN#
IP_LP_DIM_SW_SIG
IA04
LDI
WUD
BATT
CRTSY_LP_SPLY_V
IDL34
LDI
WUD
BATT
INT_LP_DFT_SW_SIG
IDL35
BCM
900_bcm_lgtint 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
&06/36
&03/43/53
&03/43/53
&06/36
812.
OG/WH
0.35 IP
TWP 7 50
&06/36
812.
OG/WH
0.35 IP
TWP 7 50
&03/43/53
812.
OG/WH
0.35 IP
TWP 7 50
&03/43/53
812.
OG/WH
0.35 IP
TWP 7 50
&06/36
15336209
12M GTMXD IP
F J192
F P192
12F GTMXD BRKCLTCH
15336205
15336223
16M GTMXD IP
H J379
H P379
16F GTMXD BRKCLTCH
15336219
812.
OG/WH
0.35 BRKCLTCH
TWP 7 50
&06/36
812.
OG/WH
0.35 BRKCLTCH
TWP 7 50
&03/43/53
&06/36
&03/43/53
ZAB_NC_RC
Brakes/Veh. Speed
ZAB Switch
Page Brakes-Base - 1
DDM
900_ddm_lgt_int 004
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
LT CTSY LP GND
LT_CRTSY_LP_CONT
BATT
ZN#
HSD
GND
PWM
J2-15
J2-10
&Z75
1050.
BK
0.35 LFDOOR
TWP 7 50
&Z75
660.
D-BU
0.35 LFDOOR
TWP 7 50
A
BULB
GND
B
Lamp-Courtesy Door-LH
900_lamp_courtesy 001
UPC FNA
12047662
PDM
900_pdm_lgt_int 003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
RT CTSY LP GND
RT_CRTSY_LP_CONT
BATT
ZN#
HSD
GND
PWM
J2-15
J2-10
&Z75
1050.
BK
0.35 RFDOOR
TWP 7 50
&Z75
661.
L-BU
0.35 RFDOOR
TWP 7 50
A
BULB
GND
B
Lamp-Courtesy Door-RH
900_lamp_courtesy 001
UPC FNA
12047662

ARE16412
003
GMT900
GM Proprietary

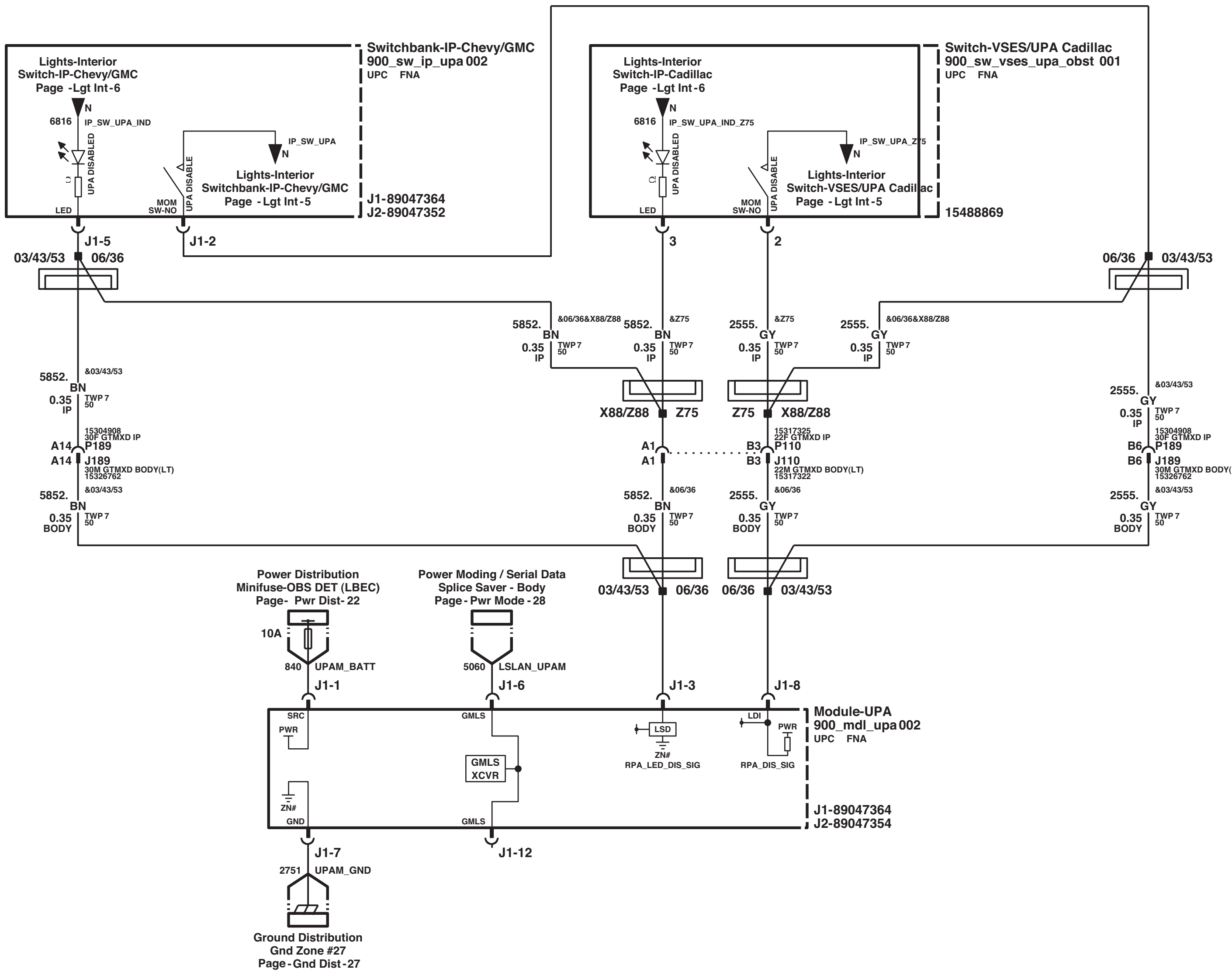
Wednesday, August 2, 2006
11:15:21 am 3
IEC/ESI

Lights-Interior:

LI01 Panel 7 of 7

2008
GMT900
MVBS
System Status: Object Status:

Obstacle Detection: Ultrasonic Park Assist – Rear


Lights-Interior
Switch-IP-Chevy/GMC
Page -Lgt Int-6
N
6816
IP_SW_UPA_IND
UPA DISABLED
LED
IP_SW_UPA
N
MOM
SW-NO
UPA DISABLE
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int-5
Switchbank-IP-Chevy/GMC
900_sw_ip_upa 002
UPC FNA
J1-89047364
J2-89047352
J1-5
J1-2
03/43/53
06/36
Lights-Interior
Switch-IP-Cadillac
Page -Lgt Int-6
N
6816
IP_SW_UPA_IND_Z75
UPA DISABLED
LED
IP_SW_UPA_Z75
N
MOM
SW-NO
UPA DISABLE
Lights-Interior
Switch-VSES/UPA Cadillac
Page - Lgt Int-5
Switch-VSES/UPA Cadillac
900_sw_vses_upa_obst 001
UPC FNA
15488869
3
2
06/36
03/43/53
5852. &06/36&X88/Z88 BN 0.35 IP TWP 7 50
5852. &Z75 BN 0.35 IP TWP 7 50
2555. &Z75 GY 0.35 IP TWP 7 50
2555. &06/36&X88/Z88 GY 0.35 IP TWP 7 50
5852. &03/43/53 BN 0.35 IP TWP 7 50
X88/Z88
Z75
Z75
X88/Z88
2555. &03/43/53 GY 0.35 IP TWP 7 50
A14 P189 15304908 30F GTMXD IP
A14 J189 30M GTMXD BODY(LT) 15326762
A1
A1
B3 P110 15317325 22F GTMXD IP
B3 J110 22M GTMXD BODY(LT) 15317322
B6 P189 15304908 30F GTMXD IP
B6 J189 30M GTMXD BODY(LT) 15326762
5852. &03/43/53 BN 0.35 BODY TWP 7 50
5852. &06/36 BN 0.35 BODY TWP 7 50
2555. &06/36 GY 0.35 BODY TWP 7 50
2555. &03/43/53 GY 0.35 BODY TWP 7 50
03/43/53
06/36
06/36
03/43/53
Power Distribution
Minifuse-OBS DET (LBEC)
Page- Pwr Dist- 22
10A
840 UPAM_BATT
Power Moding / Serial Data
Splice Saver - Body
Page - Pwr Mode - 28
5060 LSLAN_UPAM
J1-1
J1-6
J1-3
J1-8
SRC
PWR
GMLS
GMLS
XCVR
LSD
ZN#
RPA_LED_DIS_SIG
LDI
PWR
RPA_DIS_SIG
ZN#
GND
GMLS
Module-UPA
900_mdl_upa 002
UPC FNA
J1-89047364
J2-89047354
J1-7
J1-12
2751 UPAM_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 27

- REAR UPA STANDARD ON CADILLAC & OPTIONAL CHEVY/GMC

ARE16413
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:53:27 am 4
IEC/ESI

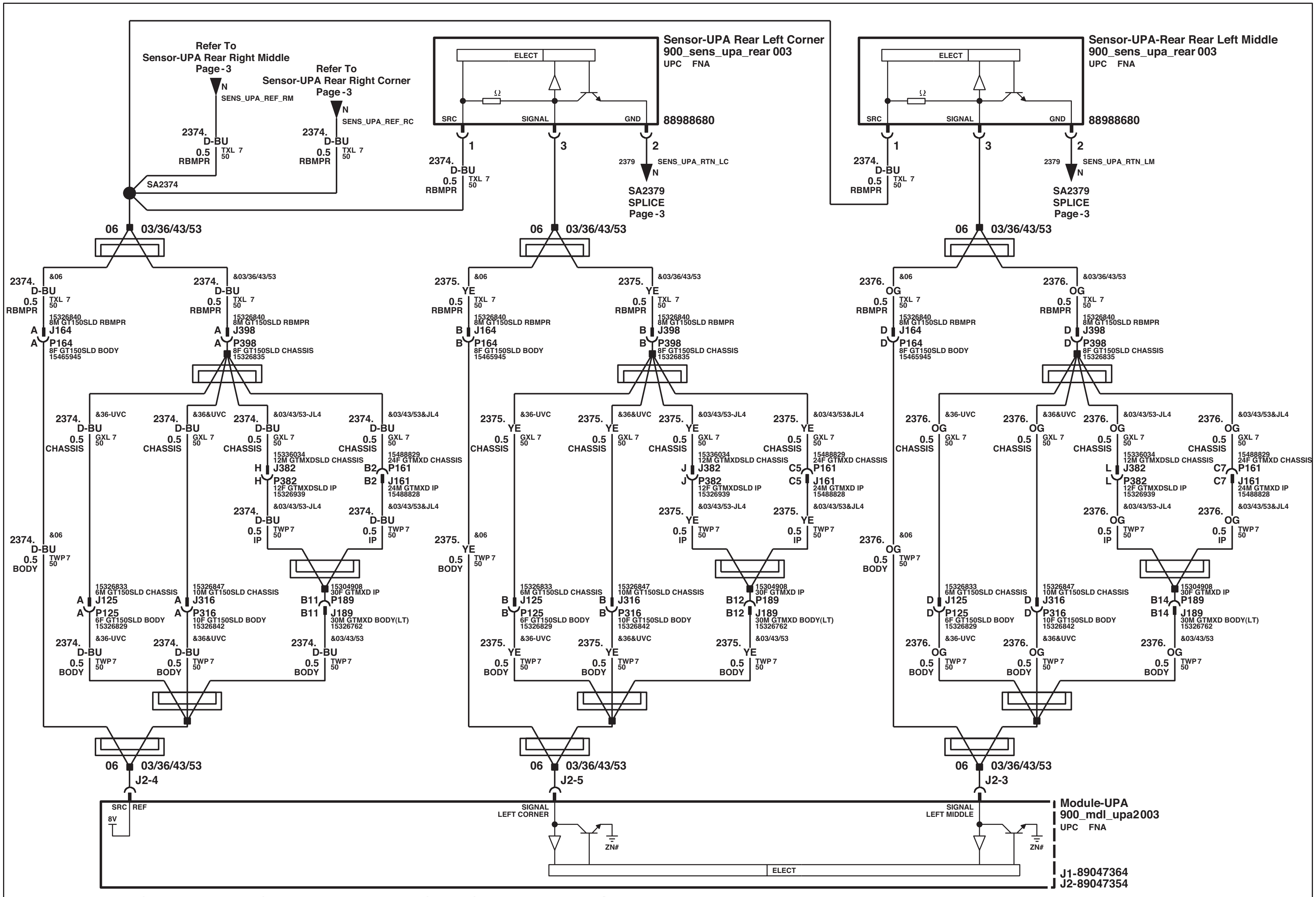
Obstacle Detection: Ultrasonic Park Assist - Rear

1_08_obst_rr Panel 1 of 4

&UD7

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Ultrasonic Park Assist – Rear


Refer To
Sensor-UPA Rear Right Middle
Page-3
N
SENS_UPA_REF_RM
Refer To
Sensor-UPA Rear Right Corner
Page-3
N
SENS_UPA_REF_RC
2374. D-BU 0.5 RBMPR TXL 7 50
SA2374
Sensor-UPA Rear Left Corner
900_sens_upa_rear 003
UPC FNA
ELECT
Ω
SRC
SIGNAL
GND
88988680
1
3
2
2379
SENS_UPA_RTN_LC
N
SA2379
SPLICE
Page-3
Sensor-UPA-Rear Rear Left Middle
900_sens_upa_rear 003
UPC FNA
88988680
SENS_UPA_RTN_LM
06 03/36/43/53
2374. &06 D-BU 0.5 RBMPR TXL 7 50
15326840 8M GT150SLD RBMPR
A J164
A P164 8F GT150SLD BODY 15465945
2374. &03/36/43/53 D-BU 0.5 RBMPR TXL 7 50
A J398
A P398 8F GT150SLD CHASSIS 15326835
2375. YE
B J164
B P164
B J398
B P398
2376. OG
D J164
D P164
D J398
D P398
&36-UVC
&36&UVC
&03/43/53-JL4
&03/43/53&JL4
0.5 CHASSIS GXL 7 50
15336034 12M GTMXDSLD CHASSIS
H J382
H P382 12F GTMXDSLD IP 15326939
J J382
J P382
L J382
L P382
15488829 24F GTMXD CHASSIS
B2 P161
B2 J161 24M GTMXD IP 15488828
C5 P161
C5 J161
C7 P161
C7 J161
0.5 IP TWP 7 50
0.5 BODY TWP 7 50
15326833 6M GT150SLD CHASSIS
A J125
A P125 6F GT150SLD BODY 15326829
15326847 10M GT150SLD CHASSIS
A J316
A P316 10F GT150SLD BODY 15326842
15304908 30F GTMXD IP
B11 P189
B11 J189 30M GTMXD BODY(LT) 15326762
B J125
B P125
B J316
B P316
B12 P189
B12 J189
D J125
D P125
D J316
D P316
B14 P189
B14 J189
&03/43/53
J2-4
J2-5
J2-3
SRC
REF
8V
SIGNAL
LEFT CORNER
SIGNAL
LEFT MIDDLE
ZN#
ELECT
Module-UPA
900_mdl_upa2003
UPC FNA
J1-89047364
J2-89047354

•REAR UPA STANDARD ON CADILLAC & OPTIONAL CHEVY/GMC

ARE16413
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:53:27 am 4
IEC/ESI

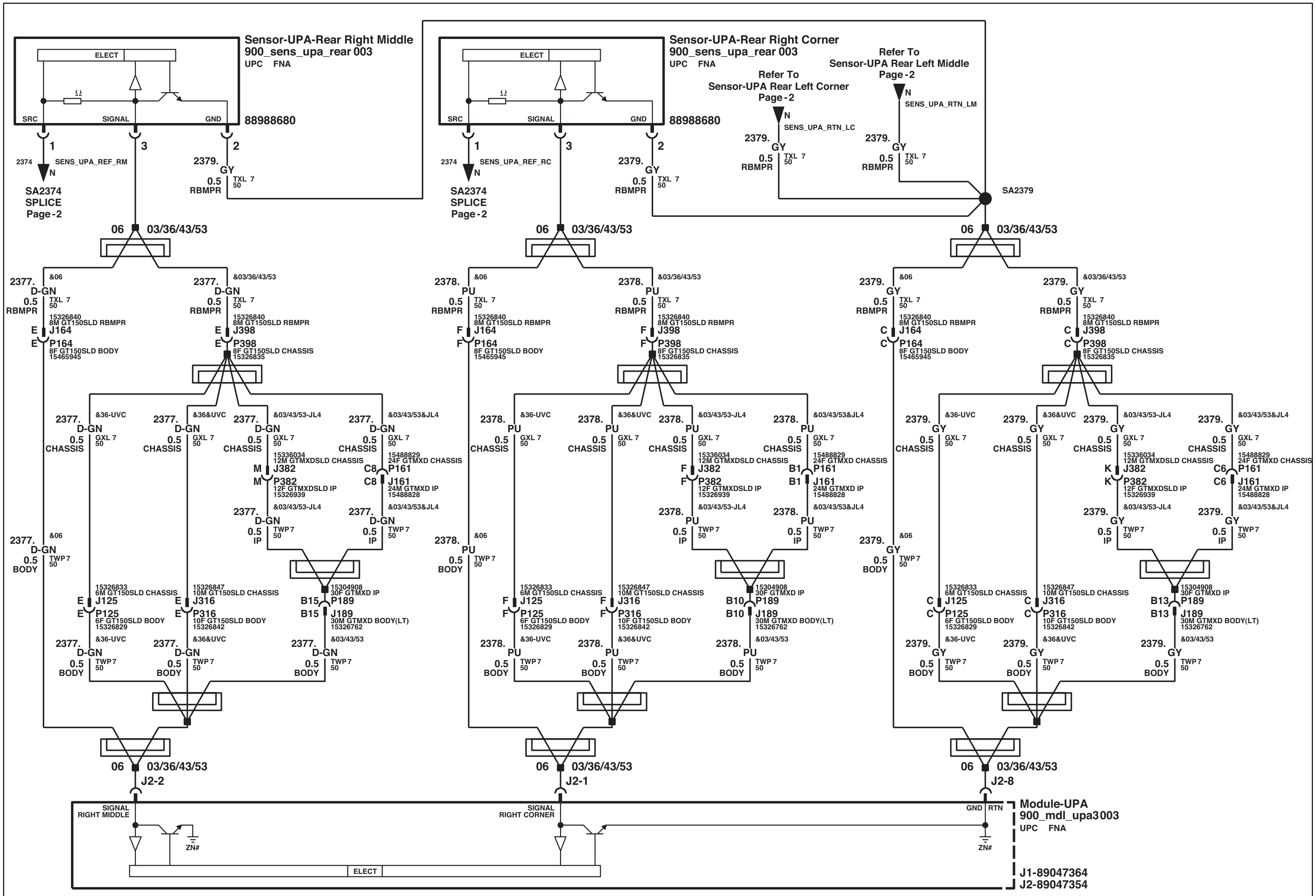
Obstacle Detection: Ultrasonic Park Assist - Rear

1_08_obst_rr Panel 2 of 4

&UD7

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Ultrasonic Park Assist – Rear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900_sens_upa_rear 003
UPC FNA
ELECT
SRC
SIGNAL
GND
88988680
1
3
2
2374
SENS_UPA_REF_RM
N
SA2374
SPLICE
Page-2
2379.
GY
0.5
RBMPR
TXL 7
50
Sensor-UPA-Rear Right Corner
900_sens_upa_rear 003
UPC FNA
88988680
SENS_UPA_REF_RC
Refer To
Sensor-UPA Rear Left Corner
Page-2
SENS_UPA_RTN_LC
Refer To
Sensor-UPA Rear Left Middle
Page-2
SENS_UPA_RTN_LM
SA2379
06
03/36/43/53
&06
&03/36/43/53
2377.
D-GN
2378.
PU
2379.
GY
15326840
8M GT150SLD RBMPR
E J164
E P164
8F GT150SLD BODY
15465945
E J398
E P398
8F GT150SLD CHASSIS
15326835
F J164
F P164
F J398
F P398
C J164
C P164
C J398
C P398
&36-UVC
&36&UVC
&03/43/53-JL4
&03/43/53&JL4
CHASSIS
GXL 7
15336034
12M GTMXDSLD CHASSIS
M J382
M P382
12F GTMXDSLD IP
15326939
15488829
24F GTMXD CHASSIS
C8 P161
C8 J161
24M GTMXD IP
15488828
F J382
F P382
B1 P161
B1 J161
K J382
K P382
C6 P161
C6 J161
IP
TWP 7
BODY
15326833
6M GT150SLD CHASSIS
E J125
E P125
6F GT150SLD BODY
15326829
15326847
10M GT150SLD CHASSIS
E J316
E P316
10F GT150SLD BODY
15326842
15304908
30F GTMXD IP
B15 P189
B15 J189
30M GTMXD BODY(LT)
15326762
&03/43/53
F J125
F P125
F J316
F P316
B10 P189
B10 J189
C J125
C P125
C J316
C P316
B13 P189
B13 J189
J2-2
J2-1
J2-8
SIGNAL
RIGHT MIDDLE
SIGNAL
RIGHT CORNER
GND
RTN
ZN#
ELECT
Module-UPA
900_mdl_upa3003
UPC FNA
J1-89047364
J2-89047354

•REAR UPA STANDARD ON CADILLAC & OPTIONAL CHEVY/GMC

ARE16413
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:53:27 am 4
IEC/ESI

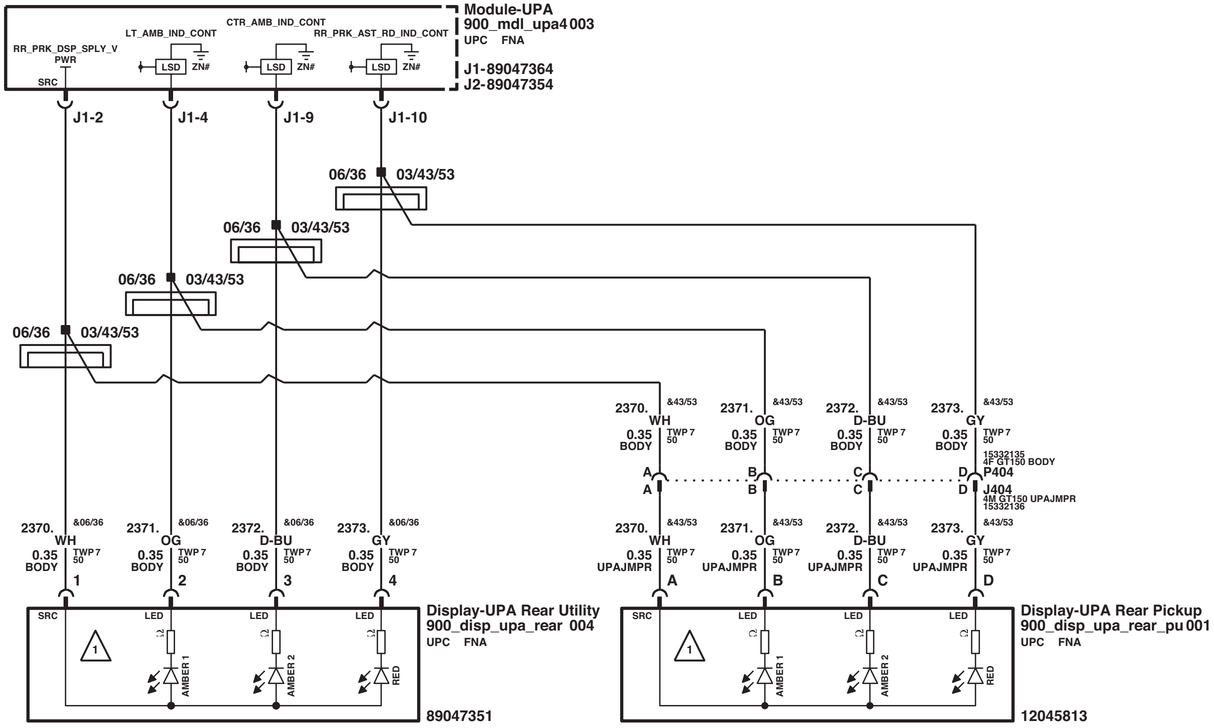
Obstacle Detection: Ultrasonic Park Assist - Rear

1_08_obst_rr Panel 3 of 4

&UD7

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Ultrasonic Park Assist – Rear


Module-UPA
900_mdl_upa4 003
UPC FNA
J1-89047364
J2-89047354
RR_PRK_DSP_SPLY_V
PWR
SRC
LT_AMB_IND_CONT
CTR_AMB_IND_CONT
RR_PRK_AST_RD_IND_CONT
LSD
ZN#
J1-2
J1-4
J1-9
J1-10
06/36
03/43/53
2370.
2371.
2372.
2373.
&06/36
&43/53
WH
OG
D-BU
GY
0.35
BODY
UPAJMPR
TWP 7
50
1
2
3
4
A
B
C
D
15332135
4F GT150 BODY
P404
J404
4M GT150 UPAJMPR
15332136
Display-UPA Rear Utility
900_disp_upa_rear 004
UPC FNA
89047351
Display-UPA Rear Pickup
900_disp_upa_rear_pu 001
UPC FNA
12045813
SRC
LED
Ω
1
AMBER 1
AMBER 2
RED

NOTES

- 1 – UPA REAR DISPLAY INDICATORS ARE NOT DIMMABLE.

•REAR UPA STANDARD ON CADILLAC & OPTIONAL CHEVY/GMC

ARE16413
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:53:27 am 4
IEC/ESI

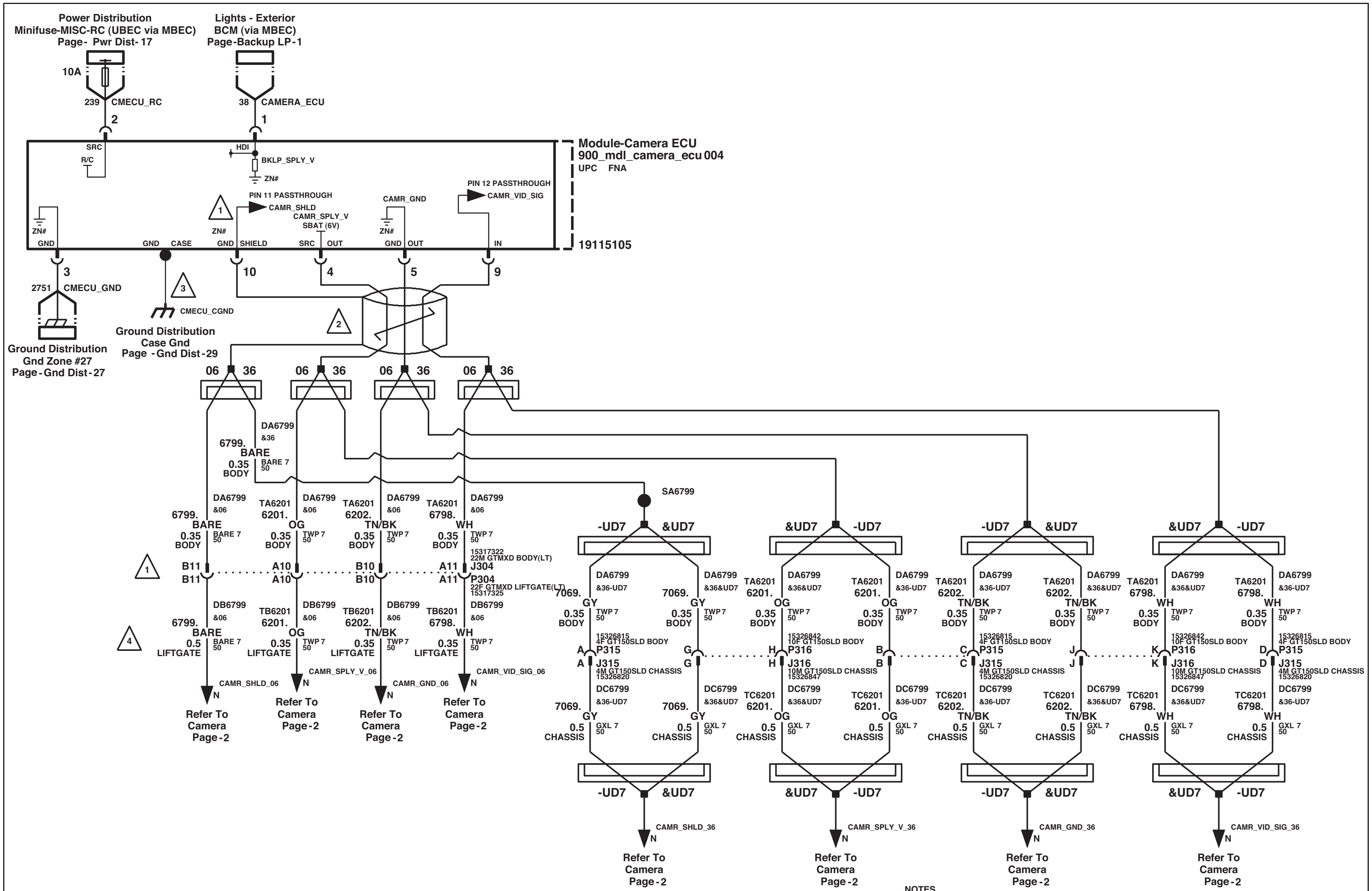
Obstacle Detection: Ultrasonic Park Assist - Rear

1_08_obst_rr Panel 4 of 4

&UD7

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Rear Vision Camera


Power Distribution
Minifuse-MISC-RC (UBEC via MBEC)
Page- Pwr Dist- 17
10A
239 CMECU_RC
2
Lights - Exterior
BCM (via MBEC)
Page-Backup LP-1
38 CAMERA_ECU
1
SRC
R/C
HDI
BKLP_SPLY_V
ZN#
PIN 11 PASSTHROUGH
CAMR_SHLD
CAMR_SPLY_V
SBAT (6V)
CAMR_GND
PIN 12 PASSTHROUGH
CAMR_VID_SIG
Module-Camera ECU
900_mdl_camera_ecu 004
UPC FNA
19115105
GND
GND CASE
GND SHIELD
SRC OUT
GND OUT
IN
3
10
4
5
9
2751 CMECU_GND
CMECU_CGND
Ground Distribution
Gnd Zone #27
Page-Gnd Dist-27
Ground Distribution
Case Gnd
Page -Gnd Dist-29
06 36
DA6799
&36
6799.
BARE
0.35
BODY
BARE 7
50
SA6799
DA6799 &06
TA6201 6201. OG
TA6201 6202. TN/BK
TA6201 6798. WH
TWP 7 50
15317322
22M GTMXD BODY(LT)
J304
P304
22F GTMXD LIFTGATE(LT)
15317325
B11 A10 B10 A11
DB6799 &06
TB6201 6201.
TB6201 6202.
TB6201 6798.
0.5 LIFTGATE
0.35 LIFTGATE
CAMR_SHLD_06
CAMR_SPLY_V_06
CAMR_GND_06
CAMR_VID_SIG_06
N
Refer To
Camera
Page-2
-UD7 &UD7
DA6799 &36-UD7
DA6799 &36&UD7
7069. GY
0.35 BODY
15326815
4F GT150SLD BODY
15326842
10F GT150SLD BODY
P315
P316
J315
4M GT150SLD CHASSIS
15326820
J316
10M GT150SLD CHASSIS
15326847
A G H B C J K D
DC6799
TC6201
0.5 CHASSIS
GXL 7 50
CAMR_SHLD_36
CAMR_SPLY_V_36
CAMR_GND_36
CAMR_VID_SIG_36

NOTES

- 1 – SHIELD USED FOR VIDEO GROUND.
- 2 – WIRES TWISTED AT WIRING SUPPLIERS REQUEST TO ADDRESS HANRESS BUILD CONCERNS.
  – WIRES ARE NOT TWISTED FOR SYSTEM PERFORMANCE.
- 3 – CASE GROUND IS INADVERTENT - RESULTING GND NOT REQUIRED
- 4 – GAGE SIZE IS LARGER FOR SPLICING.

ARE16414
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
10:11:15 am 5
IEC/ESI

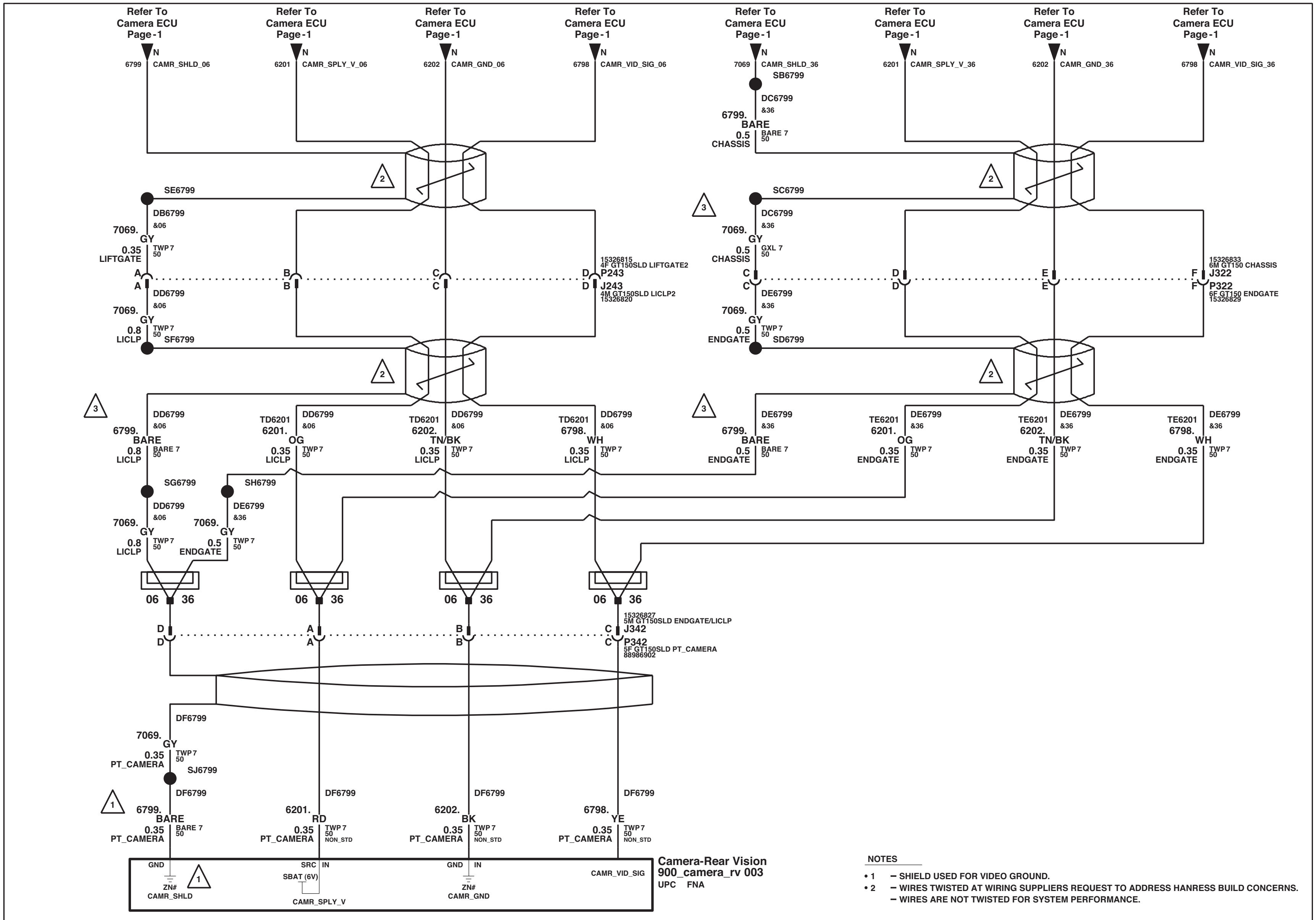
Obstacle Detection: Rear Vision Camera

1_08_obst_rvc Panel 1 of 3

&UVC

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Rear Vision Camera


Refer To Camera ECU Page - 1
N
6799 CAMR_SHLD_06
6201 CAMR_SPLY_V_06
6202 CAMR_GND_06
6798 CAMR_VID_SIG_06
7069 CAMR_SHLD_36
6201 CAMR_SPLY_V_36
6202 CAMR_GND_36
6798 CAMR_VID_SIG_36
SB6799
DC6799 &36
6799. BARE 0.5 CHASSIS BARE 7 50
SE6799
SC6799
DB6799 &06
7069. GY 0.35 LIFTGATE TWP 7 50
DC6799 &36
7069. GY 0.5 CHASSIS GXL 7 50
15326815 4F GT150SLD LIFTGATE2 P243
J243 4M GT150SLD LICLP2 15326820
15326833 6M GT150 CHASSIS J322
P322 6F GT150 ENDGATE 15326829
A B C D E F
DD6799 &06
7069. GY 0.8 LICLP TWP 7 50
SF6799
DE6799 &36
7069. GY 0.5 ENDGATE TWP 7 50
SD6799
2
3
DD6799 &06 6799. BARE 0.8 LICLP BARE 7 50
TD6201 DD6799 &06 6201. OG 0.35 LICLP TWP 7 50
TD6201 DD6799 &06 6202. TN/BK 0.35 LICLP TWP 7 50
TD6201 DD6799 &06 6798. WH 0.35 LICLP TWP 7 50
DE6799 &36 6799. BARE 0.5 ENDGATE BARE 7 50
TE6201 DE6799 &36 6201. OG 0.35 ENDGATE TWP 7 50
TE6201 DE6799 &36 6202. TN/BK 0.35 ENDGATE TWP 7 50
TE6201 DE6799 &36 6798. WH 0.35 ENDGATE TWP 7 50
SG6799
SH6799
DD6799 &06 7069. GY 0.8 LICLP TWP 7 50
DE6799 &36 7069. GY 0.5 ENDGATE TWP 7 50
06 36
15326827 5M GT150SLD ENDGATE/LICLP J342
P342 5F GT150SLD PT_CAMERA 88986902
DF6799 7069. GY 0.35 PT_CAMERA TWP 7 50
SJ6799
1
DF6799 6799. BARE 0.35 PT_CAMERA BARE 7 50
DF6799 6201. RD 0.35 PT_CAMERA TWP 7 50 NON_STD
DF6799 6202. BK 0.35 PT_CAMERA TWP 7 50 NON_STD
DF6799 6798. YE 0.35 PT_CAMERA TWP 7 50 NON_STD
GND ZN# CAMR_SHLD
SRC IN SBAT (6V) CAMR_SPLY_V
GND IN ZN# CAMR_GND
CAMR_VID_SIG
Camera-Rear Vision
900_camera_rv 003
UPC FNA

NOTES

- • 1 – SHIELD USED FOR VIDEO GROUND.
- • 2 – WIRES TWISTED AT WIRING SUPPLIERS REQUEST TO ADDRESS HANRESS BUILD CONCERNS.
  - – WIRES ARE NOT TWISTED FOR SYSTEM PERFORMANCE.

ARE16414
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
10:11:15 am 5
IEC/ESI

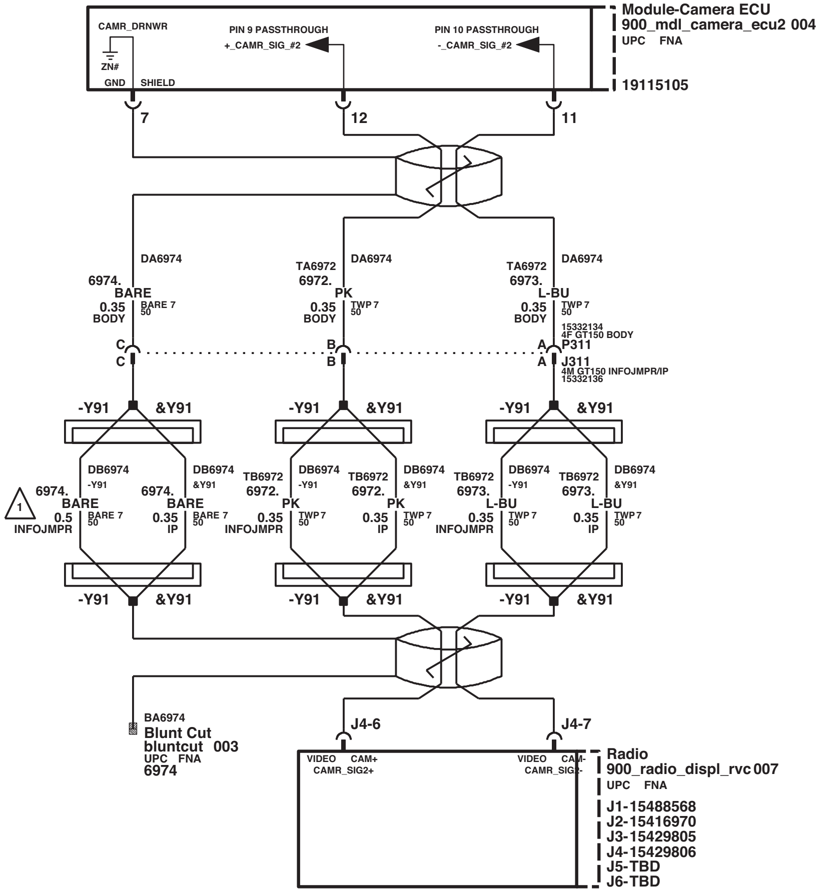
Obstacle Detection: Rear Vision Camera

1_08_obst_rvc Panel 2 of 3

&UVC

2008
GMT900
IVER
System Status: Object Status:

Obstacle Detection: Rear Vision Camera


Module-Camera ECU
900_mdl_camera_ecu2 004
UPC FNA
19115105
CAMR_DRNWR
ZN#
GND SHIELD
PIN 9 PASSTHROUGH
+_CAMR_SIG_#2
PIN 10 PASSTHROUGH
-_CAMR_SIG_#2
7
12
11
DA6974
6974.
BARE
0.35 BARE 7 50
BODY
TA6972
DA6974
6972.
PK
0.35 TWP 7 50
BODY
TA6972
DA6974
6973.
L-BU
0.35 TWP 7 50
BODY
15332134
4F GT150 BODY
P311
J311
4M GT150 INFOJMPR/IP
15332136
C
C
B
B
A
A
-Y91 &Y91
-Y91 &Y91
-Y91 &Y91
DB6974 -Y91
6974.
BARE
0.5 BARE 7 50
INFOJMPR
1
DB6974 &Y91
6974.
BARE
0.35 BARE 7 50
IP
TB6972
DB6974 -Y91
6972.
PK
0.35 TWP 7 50
INFOJMPR
TB6972
DB6974 &Y91
6972.
PK
0.35 TWP 7 50
IP
TB6972
DB6974 -Y91
6973.
L-BU
0.35 TWP 7 50
INFOJMPR
TB6972
DB6974 &Y91
6973.
L-BU
0.35 TWP 7 50
IP
-Y91 &Y91
-Y91 &Y91
-Y91 &Y91
BA6974
Blunt Cut
bluntcut 003
UPC FNA
6974
J4-6
J4-7
VIDEO CAM+
CAMR_SIG2+
VIDEO CAM-
CAMR_SIG2-
Radio
900_radio_displ_rvc 007
UPC FNA
J1-15488568
J2-15416970
J3-15429805
J4-15429806
J5-TBD
J6-TBD

NOTES

- 1 – GAGE SIZE LARGER FOR DURABILITY.

ARE16414
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
10:11:15 am 5
IEC/ESI

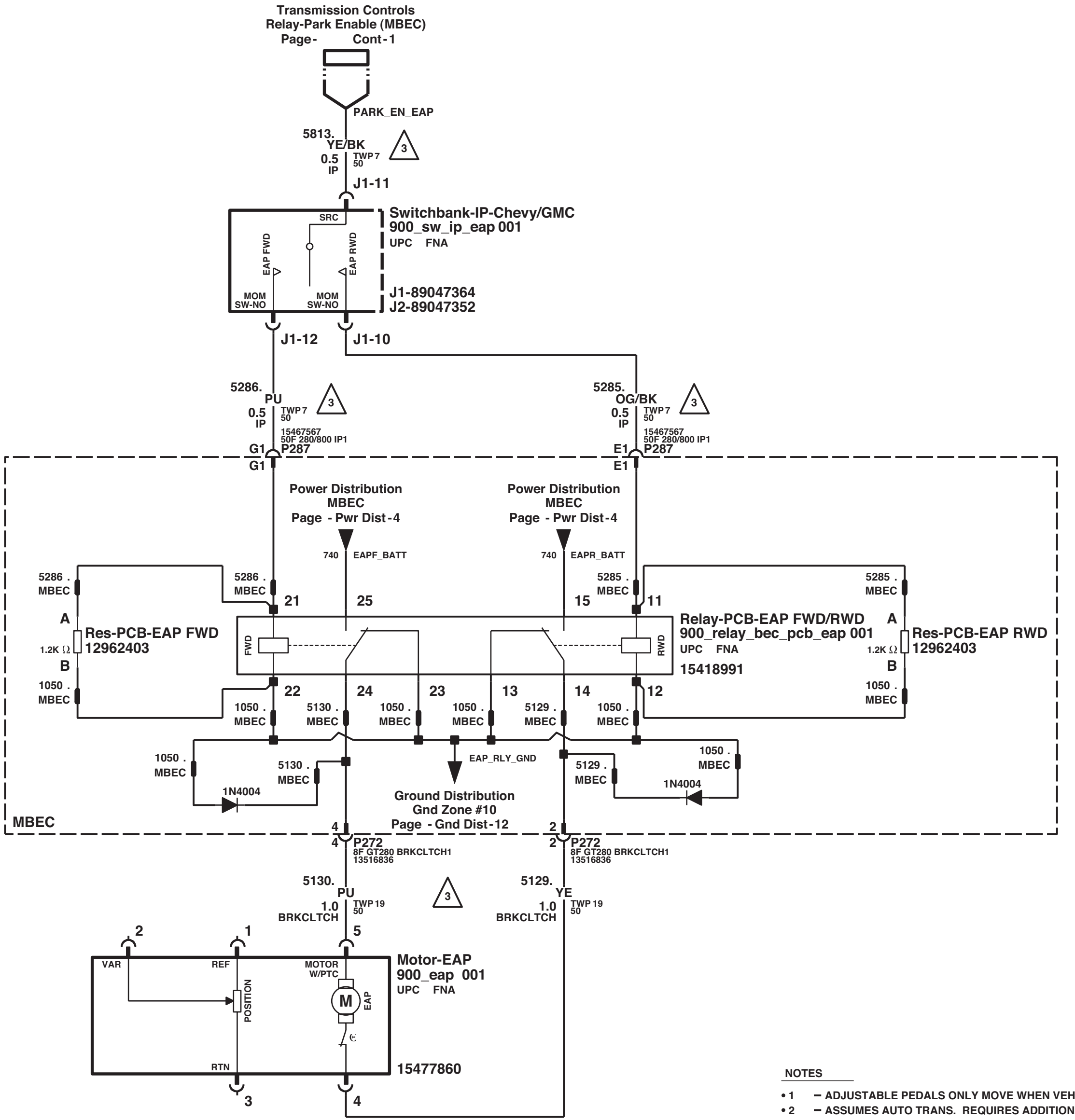
Obstacle Detection: Rear Vision Camera

1_08_obst_rvc Panel 3 of 3

&UVC

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Electric Adjust Pedals


Transmission Controls
Relay-Park Enable (MBEC)
Page- Cont-1
PARK_EN_EAP
5813.
YE/BK
0.5
IP
TWP 7
50
3
J1-11
SRC
EAP FWD
EAP RWD
MOM
SW-NO
MOM
SW-NO
Switchbank-IP-Chevy/GMC
900_sw_ip_eap 001
UPC FNA
J1-89047364
J2-89047352
J1-12
J1-10
5286.
PU
0.5
IP
TWP 7
50
3
15467567
50F 280/800 IP1
G1
P287
G1
5285.
OG/BK
0.5
IP
TWP 7
50
3
15467567
50F 280/800 IP1
E1
P287
E1
Power Distribution
MBEC
Page - Pwr Dist-4
740
EAPF_BATT
Power Distribution
MBEC
Page - Pwr Dist-4
740
EAPR_BATT
5286 .
MBEC
5286 .
MBEC
21
25
15
5285 .
MBEC
11
5285 .
MBEC
A
Res-PCB-EAP FWD
12962403
1.2K Ω
B
FWD
RWD
Relay-PCB-EAP FWD/RWD
900_relay_bec_pcb_eap 001
UPC FNA
15418991
A
Res-PCB-EAP RWD
12962403
1.2K Ω
B
1050 .
MBEC
22
24
23
13
14
12
1050 .
MBEC
1050 .
MBEC
5130 .
MBEC
1050 .
MBEC
1050 .
MBEC
5129 .
MBEC
1050 .
MBEC
1050 .
MBEC
5130 .
MBEC
1N4004
EAP_RLY_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist-12
5129 .
MBEC
1050 .
MBEC
1N4004
MBEC
4
4
P272
8F GT280 BRKCLTCH1
13516836
2
2
P272
8F GT280 BRKCLTCH1
13516836
5130.
PU
1.0
BRKCLTCH
TWP 19
50
3
5129.
YE
1.0
BRKCLTCH
TWP 19
50
2
1
5
VAR
REF
MOTOR
W/PTC
POSITION
M
EAP
Motor-EAP
900_eap 001
UPC FNA
RTN
15477860
3
4

NOTES

- • 1 – ADJUSTABLE PEDALS ONLY MOVE WHEN VEHICLE NOT IN REVERSE OR CRUISE.
- • 2 – ASSUMES AUTO TRANS. REQUIRES ADDITIONAL WORK FOR MANUAL TRANS.
- • 3 – EAP SW WIRE GAGES CONSISTENT FOR MEMORY & NON-MEMORY.

ARE16416
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:55:08 am 5
IEC/ESI

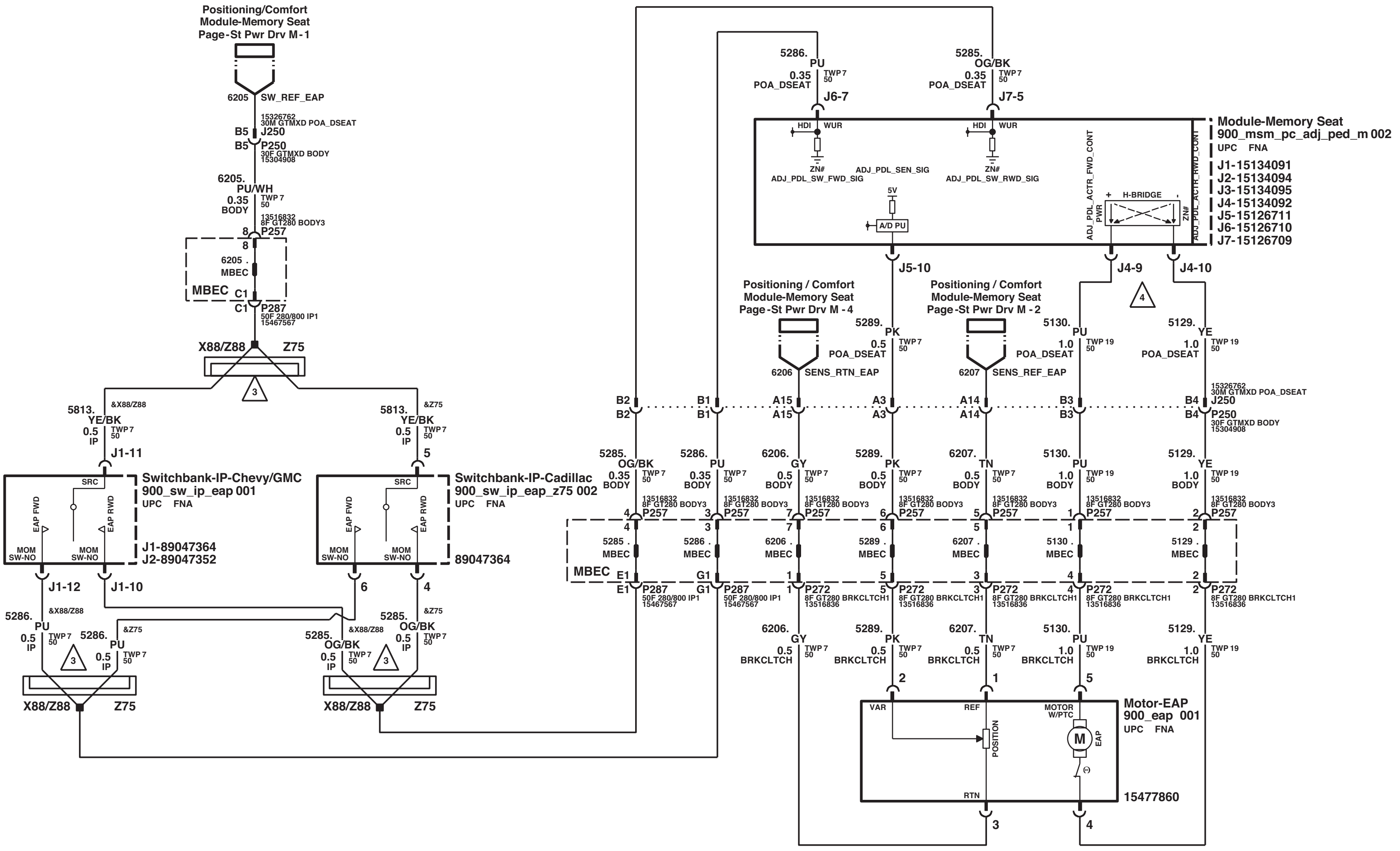
Positioning/Comfort: Electric Adjust Pedals

1_08_pc_adj_ped Panel 1 of 1

&JF4-AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Electric Adjust Pedals w/Memory


Positioning/Comfort
Module-Memory Seat
Page-St Pwr Drv M-1
6205 SW_REF_EAP
15326762
30M GTMXD POA_DSEAT
B5 J250
B5 P250
30F GTMXD BODY
15304908
6205.
PU/WH
0.35 TWP 7 50
BODY
13516832
8F GT280 BODY3
8 P257
8
6205.
MBEC
MBEC C1
C1 P287
50F 280/800 IP1
15467567
X88/Z88
Z75
3
5813.
&X88/Z88
YE/BK
0.5 TWP 7 50
IP
J1-11
5813.
&Z75
YE/BK
0.5 TWP 7 50
IP
5
Switchbank-IP-Chevy/GMC
900_sw_ip_eap 001
UPC FNA
SRC
EAP FWD
EAP RWD
MOM SW-NO
MOM SW-NO
J1-89047364
J2-89047352
Switchbank-IP-Cadillac
900_sw_ip_eap_z75 002
UPC FNA
89047364
J1-12
J1-10
6
4
5286.
&X88/Z88
PU
0.5 TWP 7 50
IP
5286.
&Z75
PU
0.5 TWP 7 50
IP
5285.
&X88/Z88
OG/BK
0.5 TWP 7 50
IP
5285.
&Z75
OG/BK
0.5 TWP 7 50
IP
X88/Z88
Z75
5286.
PU
0.35 TWP 7 50
POA_DSEAT
J6-7
5285.
OG/BK
0.35 TWP 7 50
POA_DSEAT
J7-5
Module-Memory Seat
900_msm_pc_adj_ped_m 002
UPC FNA
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
HDI WUR
ZN#
ADJ_PDL_SW_FWD_SIG
ADJ_PDL_SEN_SIG
ADJ_PDL_SW_RWD_SIG
5V
A/D PU
ADJ_PDL_ACTR_FWD_CONT
ADJ_PDL_ACTR_RWD_CONT
PWR
H-BRIDGE
J5-10
J4-9
J4-10
4
Positioning / Comfort
Module-Memory Seat
Page-St Pwr Drv M-4
6206 SENS_RTN_EAP
Positioning / Comfort
Module-Memory Seat
Page-St Pwr Drv M-2
6207 SENS_REF_EAP
5289.
PK
0.5 TWP 7 50
POA_DSEAT
5130.
PU
1.0 TWP 19 50
POA_DSEAT
5129.
YE
1.0 TWP 19 50
POA_DSEAT
B2 B1 A15 A3 A14 B3 B4
15326762
30M GTMXD POA_DSEAT
J250
P250
30F GTMXD BODY
15304908
5285. OG/BK 0.35 BODY
5286. PU 0.35 BODY
6206. GY 0.5 BODY
5289. PK 0.5 BODY
6207. TN 0.5 BODY
5130. PU 1.0 BODY
5129. YE 1.0 BODY
13516832
8F GT280 BODY3
P257
4 3 7 6 5 1 2
5285. MBEC
5286. MBEC
6206. MBEC
5289. MBEC
6207. MBEC
5130. MBEC
5129. MBEC
MBEC
E1 G1
P287
50F 280/800 IP1
15467567
P272
8F GT280 BRKCLTCH1
13516836
6206. GY 0.5 BRKCLTCH
5289. PK 0.5 BRKCLTCH
6207. TN 0.5 BRKCLTCH
5130. PU 1.0 BRKCLTCH
5129. YE 1.0 BRKCLTCH
2 1 5
Motor-EAP
900_eap 001
UPC FNA
VAR
REF
MOTOR W/PTC
POSITION
M
EAP
RTN
15477860
3
4

NOTES

- 1 – ADJUSTABLE PEDALS ONLY MOVE WHEN VEHICLE NOT IN REVERSE OR CRUISE.
- 2 – ASSUMES AUTO TRANS. REQUIRES ADDITIONAL WORK FOR MANUAL TRANS.
- 3 – EAP SW WIRE GAGES CONSISTENT FOR MEMORY & NON-MEMORY.
- 4 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.

ARE16415
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:54:50 am 3
IEC/ESI

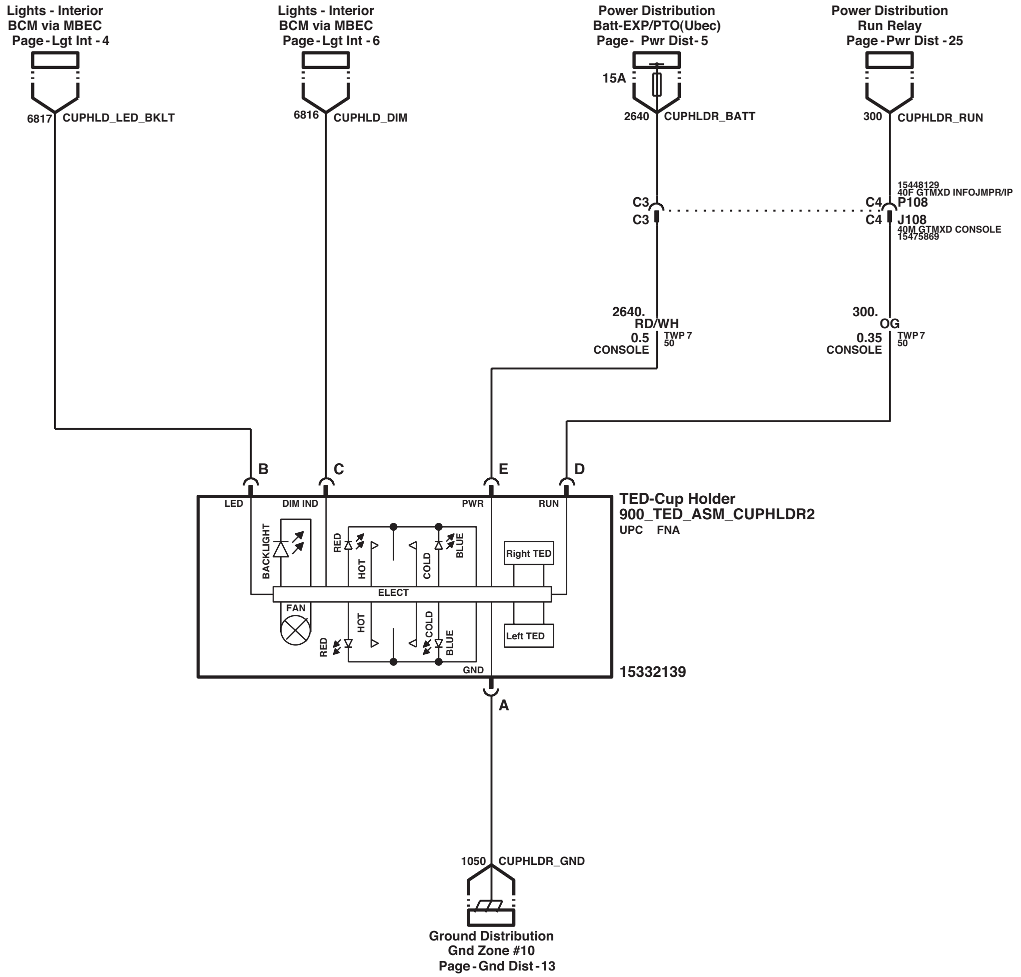
Positioning/Comfort: Electric Adjust Pedals w/Memory

1_08_pc_adj_ped_m Panel 1 of 1

&JF4&AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Electric Adjust Pedals w/Memory


Lights - Interior
BCM via MBEC
Page - Lgt Int - 4
6817 CUPHLD_LED_BKLT
Lights - Interior
BCM via MBEC
Page - Lgt Int - 6
6816 CUPHLD_DIM
Power Distribution
Batt-EXP/PTO(Ubec)
Page - Pwr Dist - 5
15A
2640 CUPHLDR_BATT
Power Distribution
Run Relay
Page - Pwr Dist - 25
300 CUPHLDR_RUN
C3
C3
15448129
40F GTMXD INFOJMPR/IP
C4 P108
C4 J108
40M GTMXD CONSOLE
15475869
2640.
RD/WH
0.5
CONSOLE
TWP 7
50
300.
OG
0.35
CONSOLE
TWP 7
50
B
C
E
D
LED
DIM IND
PWR
RUN
TED-Cup Holder
900_TED_ASM_CUPHLDR2
UPC FNA
BACKLIGHT
RED
HOT
COLD
BLUE
Right TED
ELECT
FAN
HOT
RED
COLD
BLUE
Left TED
GND
15332139
A
1050 CUPHLDR_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13

ARE82067
002
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:18:58 am 4
IEC/ESI

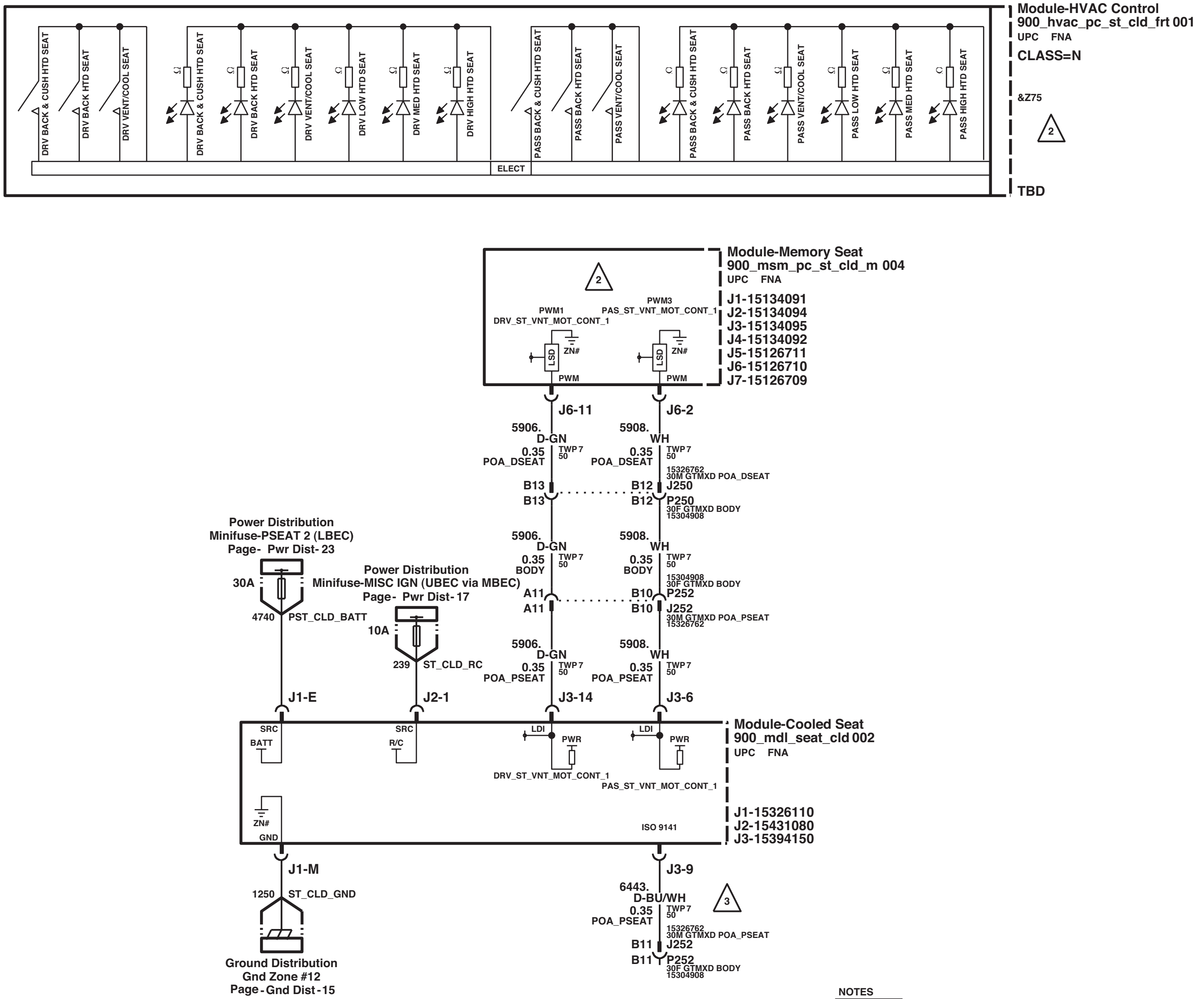
Positioning/Comfort: Cooled/Heated Front Cup Holder

1_08_pc_cup_c_h_ult Panel 1 of 1

&ULT

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Cooled/Heated Seats – Front w/Memory


DRV BACK & CUSH HTD SEAT
DRV BACK HTD SEAT
DRV VENT/COOL SEAT
Ω
DRV BACK & CUSH HTD SEAT
DRV BACK HTD SEAT
DRV VENT/COOL SEAT
DRV LOW HTD SEAT
DRV MED HTD SEAT
DRV HIGH HTD SEAT
ELECT
PASS BACK & CUSH HTD SEAT
PASS BACK HTD SEAT
PASS VENT/COOL SEAT
PASS BACK & CUSH HTD SEAT
PASS BACK HTD SEAT
PASS VENT/COOL SEAT
PASS LOW HTD SEAT
PASS MED HTD SEAT
PASS HIGH HTD SEAT
Module-HVAC Control
900_hvac_pc_st_cld_frt 001
UPC FNA
CLASS=N
&Z75
2
TBD
2
PWM1
DRV_ST_VNT_MOT_CONT_1
PWM3
PAS_ST_VNT_MOT_CONT_1
LSD
ZN#
PWM
Module-Memory Seat
900_msm_pc_st_cld_m 004
UPC FNA
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
J6-11
J6-2
5906.
D-GN
0.35
POA_DSEAT
TWP 7
50
5908.
WH
0.35
POA_DSEAT
15326762
30M GTMXD POA_DSEAT
B13
B12
J250
P250
30F GTMXD BODY
15304908
5906.
D-GN
0.35
BODY
5908.
WH
0.35
BODY
15304908
30F GTMXD BODY
A11
B10
P252
J252
30M GTMXD POA_PSEAT
15326762
5906.
D-GN
0.35
POA_PSEAT
5908.
WH
0.35
POA_PSEAT
Power Distribution
Minifuse-PSEAT 2 (LBEC)
Page- Pwr Dist- 23
30A
4740 PST_CLD_BATT
Power Distribution
Minifuse-MISC IGN (UBEC via MBEC)
Page- Pwr Dist- 17
10A
239 ST_CLD_RC
J1-E
J2-1
J3-14
J3-6
SRC
BATT
SRC
R/C
LDI
PWR
DRV_ST_VNT_MOT_CONT_1
PAS_ST_VNT_MOT_CONT_1
ZN#
GND
ISO 9141
Module-Cooled Seat
900_mdl_seat_cld 002
UPC FNA
J1-15326110
J2-15431080
J3-15394150
J1-M
1250 ST_CLD_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15
J3-9
6443.
D-BU/WH
0.35
POA_PSEAT
TWP 7
50
3
15326762
30M GTMXD POA_PSEAT
B11 J252
B11 P252
30F GTMXD BODY
15304908

NOTES

- 1 – REAR COOLED SEATS ARE NOT SUPPORTED.
- 2 – FRONT HEATED SEAT SWITCHES ARE IN HVAC CONTROL MODULE.
- 3 – NO VEHICLE HARNESS. USED FOR DIAGNOSTICS.

ARE16417
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:55:41 am 3
IEC/ESI

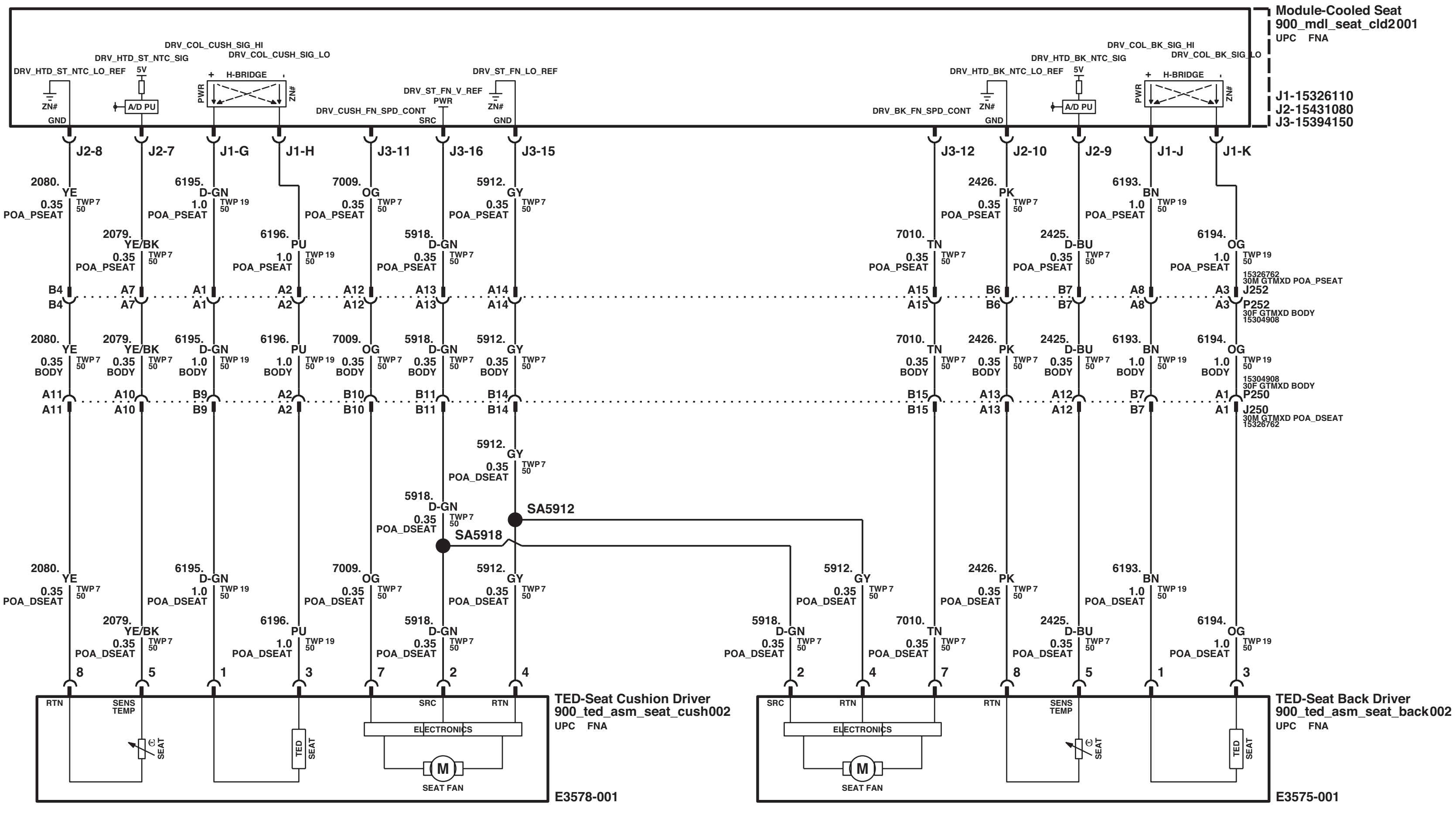
Positioning/Comfort: Cooled/Heated Seats - Front w/Memory

1_08_pc_st_cld_frt_m Panel 1 of 3

&AN3&KB6

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Cooled/Heated Seats – Front w/Memory


Module-Cooled Seat
900_mdl_seat_cld2001
UPC FNA
J1-15326110
J2-15431080
J3-15394150
DRV_HTD_ST_NTC_LO_REF
DRV_HTD_ST_NTC_SIG
DRV_COL_CUSH_SIG_HI
DRV_COL_CUSH_SIG_LO
5V
A/D PU
H-BRIDGE
PWR
ZN#
GND
DRV_ST_FN_V_REF
DRV_ST_FN_LO_REF
DRV_CUSH_FN_SPD_CONT
SRC
DRV_COL_BK_SIG_HI
DRV_COL_BK_SIG_LO
DRV_HTD_BK_NTC_SIG
DRV_HTD_BK_NTC_LO_REF
DRV_BK_FN_SPD_CONT
J2-8
J2-7
J1-G
J1-H
J3-11
J3-16
J3-15
J3-12
J2-10
J2-9
J1-J
J1-K
2080. YE 0.35 POA_PSEAT TWP 7 50
2079. YE/BK 0.35 POA_PSEAT TWP 7 50
6195. D-GN 1.0 POA_PSEAT TWP 19 50
6196. PU 1.0 POA_PSEAT TWP 19 50
7009. OG 0.35 POA_PSEAT TWP 7 50
5918. D-GN 0.35 POA_PSEAT TWP 7 50
5912. GY 0.35 POA_PSEAT TWP 7 50
7010. TN 0.35 POA_PSEAT TWP 7 50
2426. PK 0.35 POA_PSEAT TWP 7 50
2425. D-BU 0.35 POA_PSEAT TWP 7 50
6193. BN 1.0 POA_PSEAT TWP 19 50
6194. OG 1.0 POA_PSEAT TWP 19 50
B4 A7 A1 A2 A12 A13 A14 A15 B6 B7 A8 A3
J252
15326762
30M GTMXD POA_PSEAT
P252
30F GTMXD BODY
15304908
2080. YE 0.35 BODY
2079. YE/BK 0.35 BODY
6195. D-GN 1.0 BODY
6196. PU 1.0 BODY
7009. OG 0.35 BODY
5918. D-GN 0.35 BODY
5912. GY 0.35 BODY
7010. TN 0.35 BODY
2426. PK 0.35 BODY
2425. D-BU 0.35 BODY
6193. BN 1.0 BODY
6194. OG 1.0 BODY
A11 A10 B9 A2 B10 B11 B14 B15 A13 A12 B7 A1
P250
15304908
30F GTMXD BODY
J250
30M GTMXD POA_DSEAT
15326762
5912. GY 0.35 POA_DSEAT TWP 7 50
5918. D-GN 0.35 POA_DSEAT TWP 7 50
SA5912
SA5918
2080. YE 0.35 POA_DSEAT
2079. YE/BK 0.35 POA_DSEAT
6195. D-GN 1.0 POA_DSEAT
6196. PU 1.0 POA_DSEAT
7009. OG 0.35 POA_DSEAT
5918. D-GN 0.35 POA_DSEAT
5912. GY 0.35 POA_DSEAT
7010. TN 0.35 POA_DSEAT
2426. PK 0.35 POA_DSEAT
2425. D-BU 0.35 POA_DSEAT
6193. BN 1.0 POA_DSEAT
6194. OG 1.0 POA_DSEAT
8 5 1 3 7 2 4
2 4 7 8 5 1 3
RTN
SENS TEMP
SEAT
TED
SRC
ELECTRONICS
SEAT FAN
M
TED-Seat Cushion Driver
900_ted_asm_seat_cush002
UPC FNA
E3578-001
TED-Seat Back Driver
900_ted_asm_seat_back002
UPC FNA
E3575-001

NOTES

• 1 – REAR COOLED SEATS ARE NOT SUPPORTED.

ARE16417
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:55:41 am 3
IEC/ESI

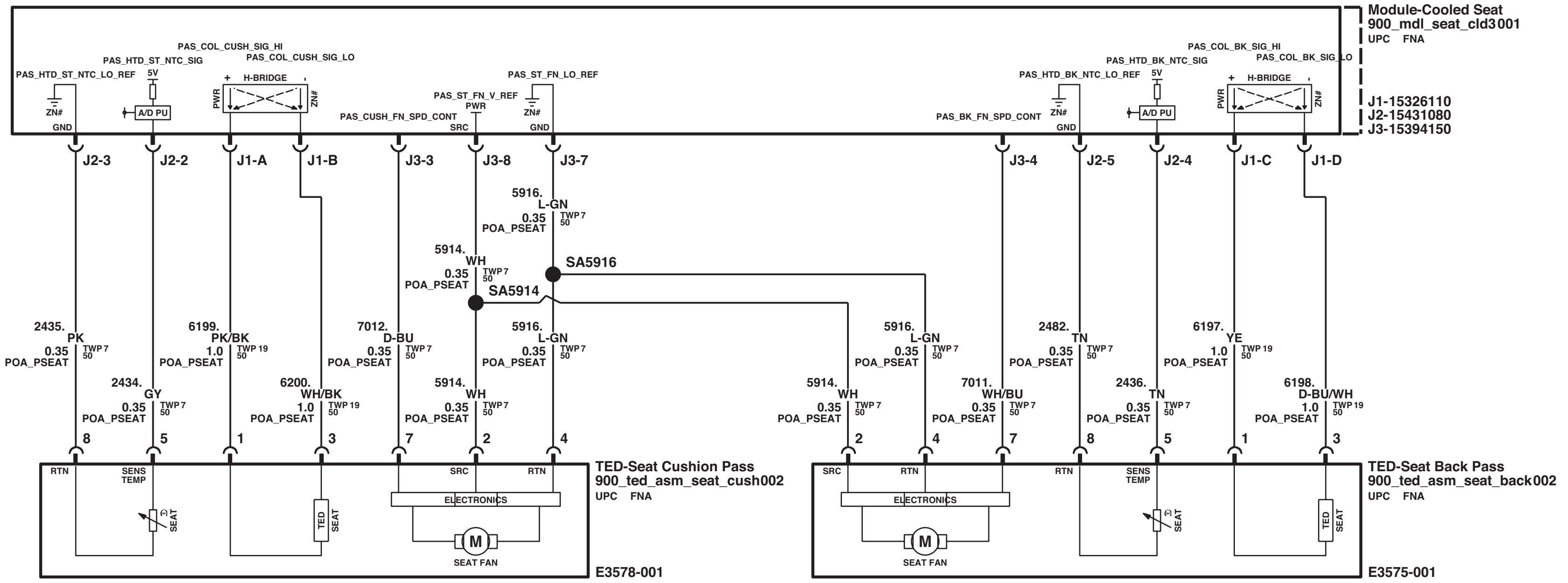
Positioning/Comfort: Cooled/Heated Seats - Front w/Memory

1_08_pc_st_cld_frt_m Panel 2 of 3

&AN3&KB6

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Cooled/Heated Seats – Front w/Memory


Module-Cooled Seat
900_mdl_seat_cld3001
UPC FNA
J1-15326110
J2-15431080
J3-15394150
PAS_HTD_ST_NTC_LO_REF
PAS_HTD_ST_NTC_SIG
PAS_COL_CUSH_SIG_HI
PAS_COL_CUSH_SIG_LO
5V
ZN#
GND
A/D PU
H-BRIDGE
PWR
PAS_CUSH_FN_SPD_CONT
PAS_ST_FN_V_REF
PAS_ST_FN_LO_REF
SRC
PAS_BK_FN_SPD_CONT
PAS_HTD_BK_NTC_LO_REF
PAS_HTD_BK_NTC_SIG
PAS_COL_BK_SIG_HI
PAS_COL_BK_SIG_LO
J2-3
J2-2
J1-A
J1-B
J3-3
J3-8
J3-7
J3-4
J2-5
J2-4
J1-C
J1-D
5916. L-GN 0.35 TWP 7 50 POA_PSEAT
5914. WH 0.35 TWP 7 50 POA_PSEAT
SA5916
SA5914
2435. PK 0.35 TWP 7 50 POA_PSEAT
2434. GY 0.35 TWP 7 50 POA_PSEAT
6199. PK/BK 1.0 TWP 19 50 POA_PSEAT
6200. WH/BK 1.0 TWP 19 50 POA_PSEAT
7012. D-BU 0.35 TWP 7 50 POA_PSEAT
5914. WH 0.35 TWP 7 50 POA_PSEAT
5916. L-GN 0.35 TWP 7 50 POA_PSEAT
5914. WH 0.35 TWP 7 50 POA_PSEAT
5916. L-GN 0.35 TWP 7 50 POA_PSEAT
7011. WH/BU 0.35 TWP 7 50 POA_PSEAT
2482. TN 0.35 TWP 7 50 POA_PSEAT
2436. TN 0.35 TWP 7 50 POA_PSEAT
6197. YE 1.0 TWP 19 50 POA_PSEAT
6198. D-BU/WH 1.0 TWP 19 50 POA_PSEAT
8
5
1
3
7
2
4
2
4
7
8
5
1
3
RTN
SENS TEMP
SEAT
TED SEAT
SRC
ELECTRONICS
M
SEAT FAN
TED-Seat Cushion Pass
900_ted_asm_seat_cush002
UPC FNA
E3578-001
TED-Seat Back Pass
900_ted_asm_seat_back002
UPC FNA
E3575-001

NOTES

- 1 – REAR COOLED SEATS ARE NOT SUPPORTED.
- 2 – SAME OUTPUTS AS SEAT VENT.

ARE16417
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:55:41 am 3
IEC/ESI

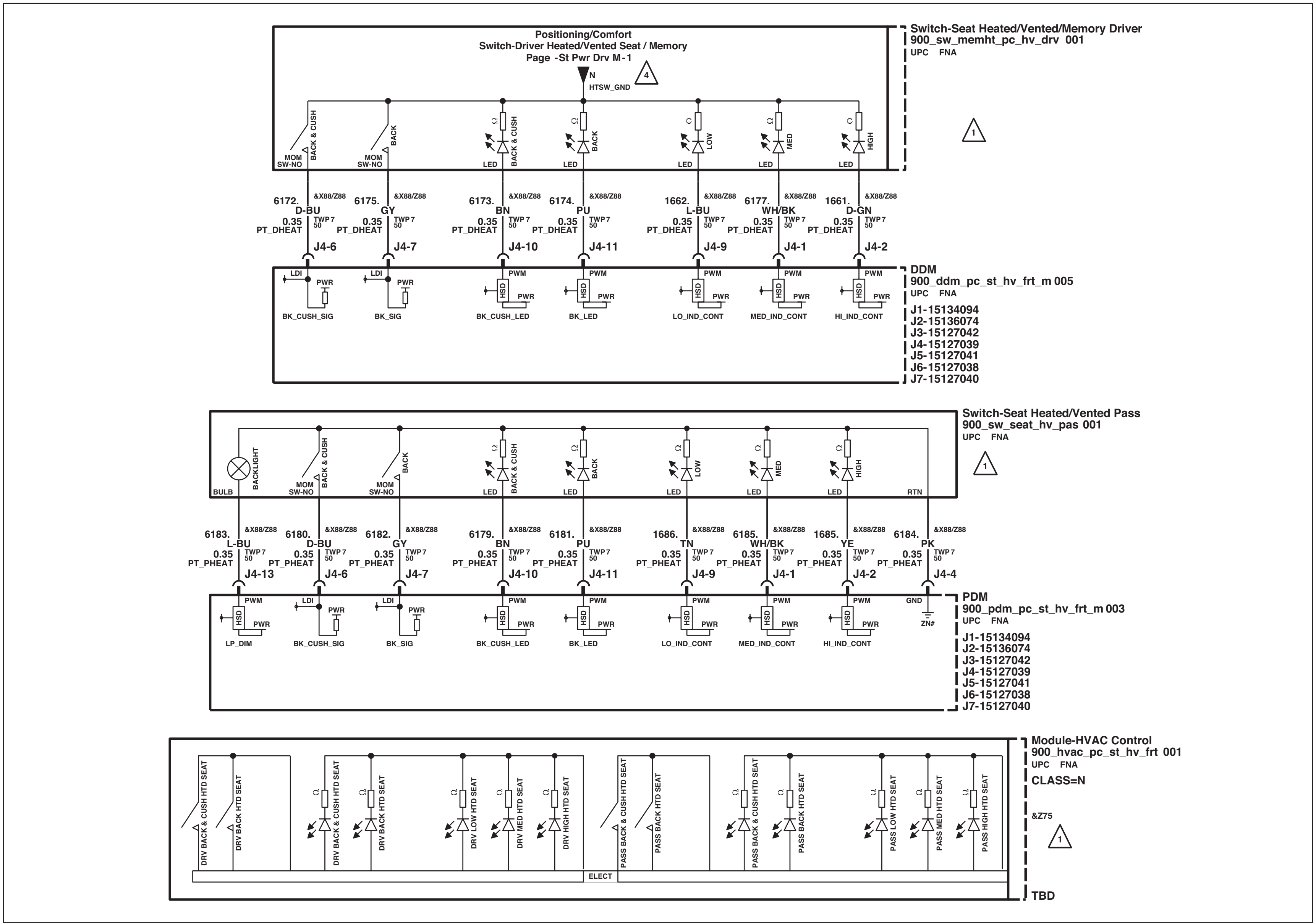
Positioning/Comfort: Cooled/Heated Seats - Front w/Memory

1_08_pc_st_cld_frt_m Panel 3 of 3

&AN3&KB6

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Heated Seats – Front w/Memory



Positioning/Comfort
Switch-Driver Heated/Vented Seat / Memory
Page -St Pwr Drv M-1
N
HTSW_GND
4
Switch-Seat Heated/Vented/Memory Driver
900_sw_memht_pc_hv_drv 001
UPC FNA
1
MOM SW-NO
BACK & CUSH
BACK
LED
LOW
MED
HIGH
6172. D-BU 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-6
6175. GY 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-7
6173. BN 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-10
6174. PU 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-11
1662. L-BU 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-9
6177. WH/BK 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-1
1661. D-GN 0.35 PT_DHEAT &X88/Z88 TWP7 50 J4-2
LDI
PWR
PWM
HSD
BK_CUSH_SIG
BK_SIG
BK_CUSH_LED
BK_LED
LO_IND_CONT
MED_IND_CONT
HI_IND_CONT
DDM
900_ddm_pc_st_hv_frt_m 005
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
Switch-Seat Heated/Vented Pass
900_sw_seat_hv_pas 001
UPC FNA
1
BULB
BACKLIGHT
RTN
6183. L-BU 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-13
6180. D-BU 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-6
6182. GY 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-7
6179. BN 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-10
6181. PU 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-11
1686. TN 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-9
6185. WH/BK 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-1
1685. YE 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-2
6184. PK 0.35 PT_PHEAT &X88/Z88 TWP7 50 J4-4
GND
ZN#
LP_DIM
PDM
900_pdm_pc_st_hv_frt_m 003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
DRV BACK & CUSH HTD SEAT
DRV BACK HTD SEAT
DRV LOW HTD SEAT
DRV MED HTD SEAT
DRV HIGH HTD SEAT
PASS BACK & CUSH HTD SEAT
PASS BACK HTD SEAT
PASS LOW HTD SEAT
PASS MED HTD SEAT
PASS HIGH HTD SEAT
ELECT
Module-HVAC Control
900_hvac_pc_st_hv_frt 001
UPC FNA
CLASS=N
&Z75
1
TBD

ARE16418
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:56:59 am 3
IEC/ESI

Positioning/Comfort: Heated Seats - Front w/Memory

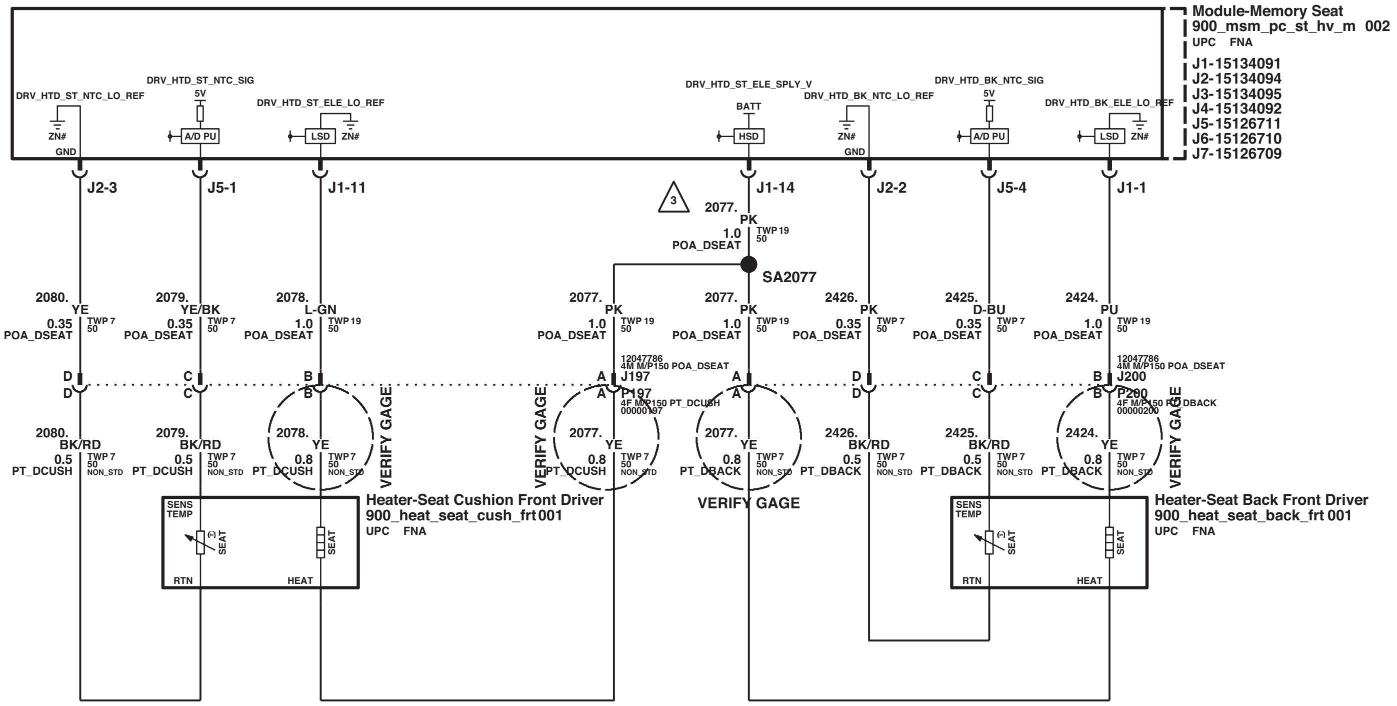
1_08_pc_st_hv_frt_m Panel 1 of 3

&AN3-KB6

2008
GMT900
IVER

System Status: Object Status:

Positioning/Comfort: Heated Seats – Front w/Memory


Module-Memory Seat
900_msm_pc_st_hv_m 002
UPC FNA
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
DRV_HTD_ST_NTC_LO_REF
ZN#
GND
DRV_HTD_ST_NTC_SIG
5V
A/D PU
DRV_HTD_ST_ELE_LO_REF
LSD
ZN#
DRV_HTD_ST_ELE_SPLY_V
BATT
HSD
DRV_HTD_BK_NTC_LO_REF
ZN#
GND
DRV_HTD_BK_NTC_SIG
5V
A/D PU
DRV_HTD_BK_ELE_LO_REF
LSD
ZN#
J2-3
J5-1
J1-11
J1-14
J2-2
J5-4
J1-1
3
2077.
PK
1.0
TWP 19
50
POA_DSEAT
SA2077
2080.
YE
0.35
TWP 7
50
POA_DSEAT
2079.
YE/BK
0.35
TWP 7
50
POA_DSEAT
2078.
L-GN
1.0
TWP 19
50
POA_DSEAT
2077.
PK
1.0
TWP 19
50
POA_DSEAT
2077.
PK
1.0
TWP 19
50
POA_DSEAT
2426.
PK
0.35
TWP 7
50
POA_DSEAT
2425.
D-BU
0.35
TWP 7
50
POA_DSEAT
2424.
PU
1.0
TWP 19
50
POA_DSEAT
12047786
4M M/P150 POA_DSEAT
J197
P197
4F M/P150 PT_DCUSH
00000197
12047786
4M M/P150 POA_DSEAT
J200
P200
4F M/P150 PT_DBACK
00000200
D
D
C
C
B
B
A
A
A
A
D
D
C
C
B
B
VERIFY GAGE
VERIFY GAGE
VERIFY GAGE
VERIFY GAGE
2080.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DCUSH
2079.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DCUSH
2078.
YE
0.8
TWP 7
50
NON_STD
PT_DCUSH
2077.
YE
0.8
TWP 7
50
NON_STD
PT_DCUSH
2077.
YE
0.8
TWP 7
50
NON_STD
PT_DBACK
2426.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DBACK
2425.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DBACK
2424.
YE
0.8
TWP 7
50
NON_STD
PT_DBACK
Heater-Seat Cushion Front Driver
900_heat_seat_cush_frt 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT
Heater-Seat Back Front Driver
900_heat_seat_back_frt 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT

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003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:56:59 am 3
IEC/ESI

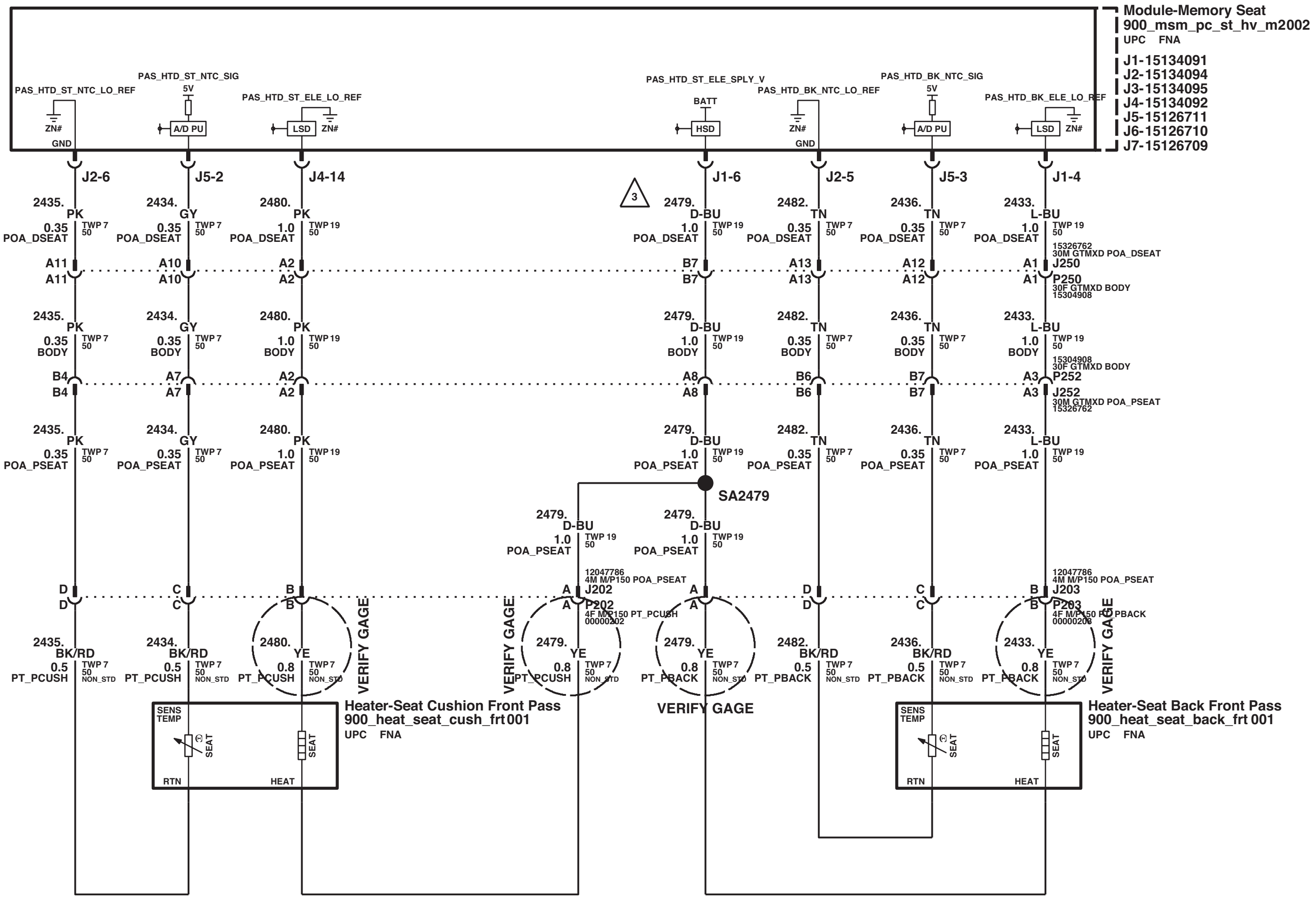
Positioning/Comfort: Heated Seats - Front w/Memory

1_08_pc_st_hv_frt_m Panel 2 of 3

&AN3-KB6

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Heated Seats – Front w/Memory


Module-Memory Seat
900_msm_pc_st_hv_m2002
UPC FNA
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
PAS_HTD_ST_NTC_LO_REF
PAS_HTD_ST_NTC_SIG
PAS_HTD_ST_ELE_LO_REF
PAS_HTD_ST_ELE_SPLY_V
PAS_HTD_BK_NTC_LO_REF
PAS_HTD_BK_NTC_SIG
PAS_HTD_BK_ELE_LO_REF
5V
BATT
ZN#
GND
A/D PU
LSD
HSD
J2-6
J5-2
J4-14
J1-6
J2-5
J5-3
J1-4
3
2435. PK 0.35 TWP 7 50 POA_DSEAT
2434. GY 0.35 TWP 7 50 POA_DSEAT
2480. PK 1.0 TWP 19 50 POA_DSEAT
2479. D-BU 1.0 TWP 19 50 POA_DSEAT
2482. TN 0.35 TWP 7 50 POA_DSEAT
2436. TN 0.35 TWP 7 50 POA_DSEAT
2433. L-BU 1.0 TWP 19 50 POA_DSEAT
15326762
30M GTMXD POA_DSEAT
J250
P250
30F GTMXD BODY
15304908
A11 A10 A2 B7 A13 A12 A1
BODY
15304908
30F GTMXD BODY
P252
J252
30M GTMXD POA_PSEAT
15326762
B4 A7 A2 A8 B6 B7 A3
POA_PSEAT
SA2479
2479. D-BU 1.0 TWP 19 50 POA_PSEAT
12047786
4M M/P150 POA_PSEAT
J202
P202
4F M/P150 PT_PCUSH
00000202
J203
P203
4F M/P150 PT_PBACK
00000203
D C B A A D C B
2435. BK/RD 0.5 TWP 7 50 NON_STD PT_PCUSH
2434. BK/RD 0.5 TWP 7 50 NON_STD PT_PCUSH
2480. YE 0.8 TWP 7 50 NON_STD PT_PCUSH
2479. YE 0.8 TWP 7 50 NON_STD PT_PCUSH
2479. YE 0.8 TWP 7 50 NON_STD PT_PBACK
2482. BK/RD 0.5 TWP 7 50 NON_STD PT_PBACK
2436. BK/RD 0.5 TWP 7 50 NON_STD PT_PBACK
2433. YE 0.8 TWP 7 50 NON_STD PT_PBACK
VERIFY GAGE
VERIFY GAGE
VERIFY GAGE
VERIFY GAGE
Heater-Seat Cushion Front Pass
900_heat_seat_cush_frt 001
UPC FNA
Heater-Seat Back Front Pass
900_heat_seat_back_frt 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT

NOTES

- • 1 – HEATED SEAT SWITCHES FOR CHEVY/GMC SHALL BE LOCATED ON FRONT DOORS WIRED TO
  – DOOR MODULES (GMLAN COMMUNICATIONS FOR SWITCH STATUS). HEATED SEAT SWITCHES
  – FOR CADILLAC SHALL BE IN HVAC CONTROLLER.
- • 2 – UP TO 3 MODES & 3 LEVELS SUPPORTED.
- • 3 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- • 4 – SEE MEMORY DRIVER SEAT FOR BACKLIGHTING BULB.

ARE16418
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:56:59 am 3
IEC/ESI

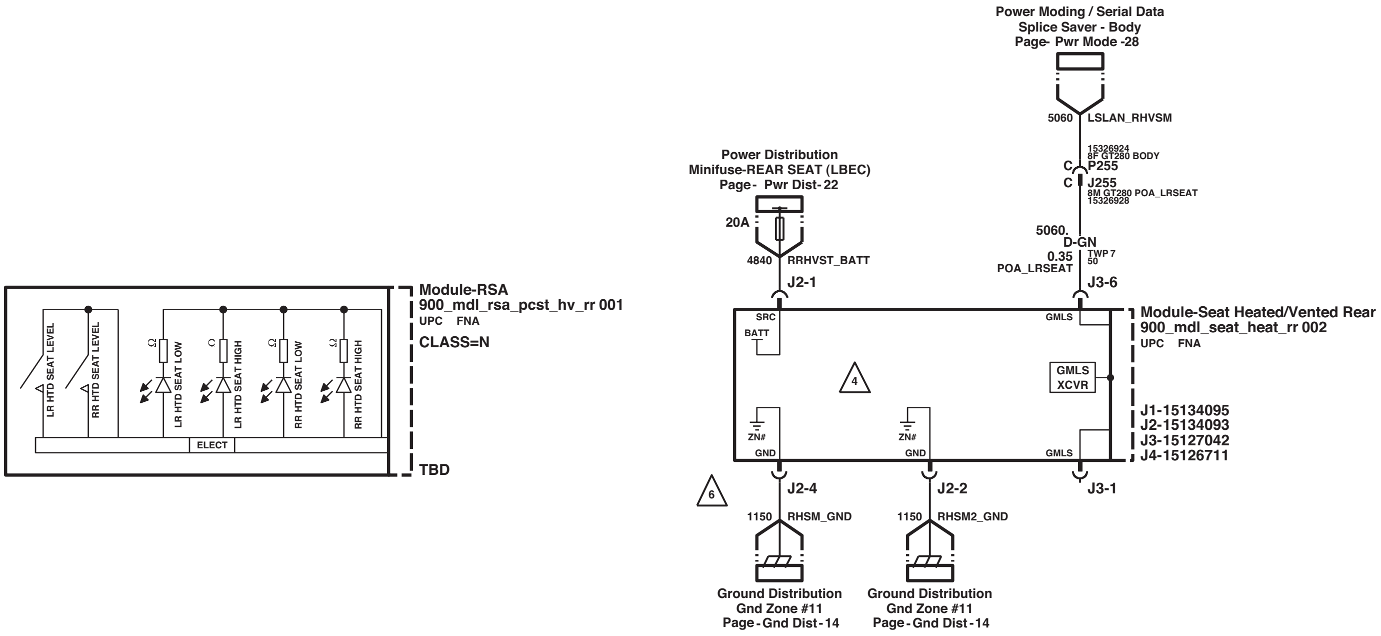
Positioning/Comfort: Heated Seats - Front w/Memory

1_08_pc_st_hv_frt_m Panel 3 of 3

&AN3-KB6

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Heated Seats – Rear


Module-RSA
900_mdl_rsa_pcst_hv_rr 001
UPC FNA
CLASS=N
TBD
LR HTD SEAT LEVEL
RR HTD SEAT LEVEL
Ω
LR HTD SEAT LOW
Ω
LR HTD SEAT HIGH
Ω
RR HTD SEAT LOW
Ω
RR HTD SEAT HIGH
ELECT
Power Distribution
Minifuse-REAR SEAT (LBEC)
Page- Pwr Dist- 22
20A
4840 RRHVST_BATT
J2-1
Power Moding / Serial Data
Splice Saver - Body
Page- Pwr Mode -28
5060 LSLAN_RHVSM
15326924
8F GT280 BODY
C P255
C J255
8M GT280 POA_LRSEAT
15326928
5060.
D-GN
0.35
POA_LRSEAT
TWP 7
50
J3-6
SRC
BATT
GMLS
4
GMLS
XCVR
ZN#
GND
ZN#
GND
GMLS
Module-Seat Heated/Vented Rear
900_mdl_seat_heat_rr 002
UPC FNA
J1-15134095
J2-15134093
J3-15127042
J4-15126711
6
J2-4
J2-2
J3-1
1150 RHSM_GND
1150 RHSM2_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14

ARE16419
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
3:54:16 pm 3
IEC/ESI

Positioning/Comfort: Heated Seats - Rear

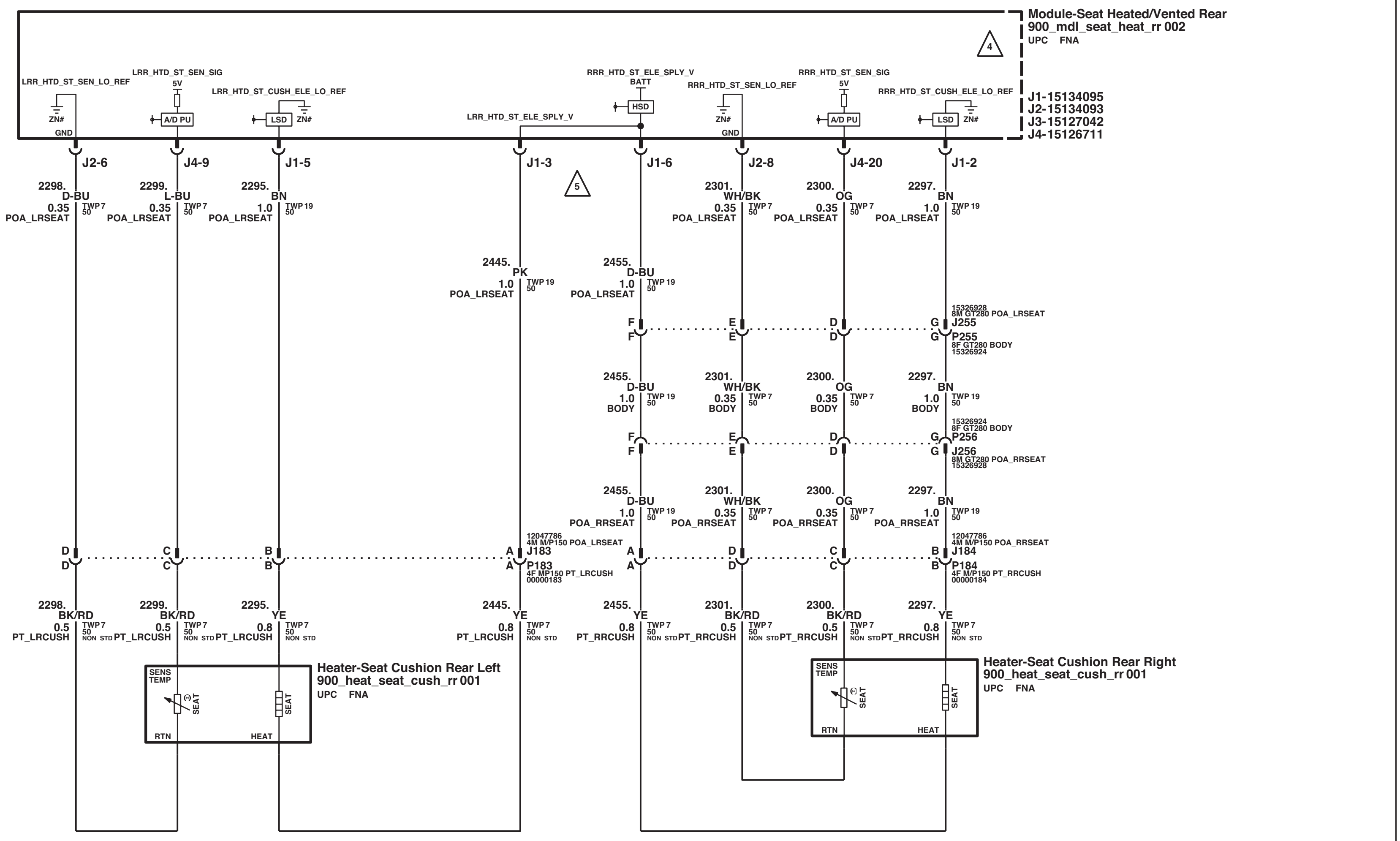
1_08_pc_st_hv_rr Panel 1 of 2

&KA6

2008
GMT900

System Status: Object Status:

Positioning/Comfort: Heated Seats – Rear

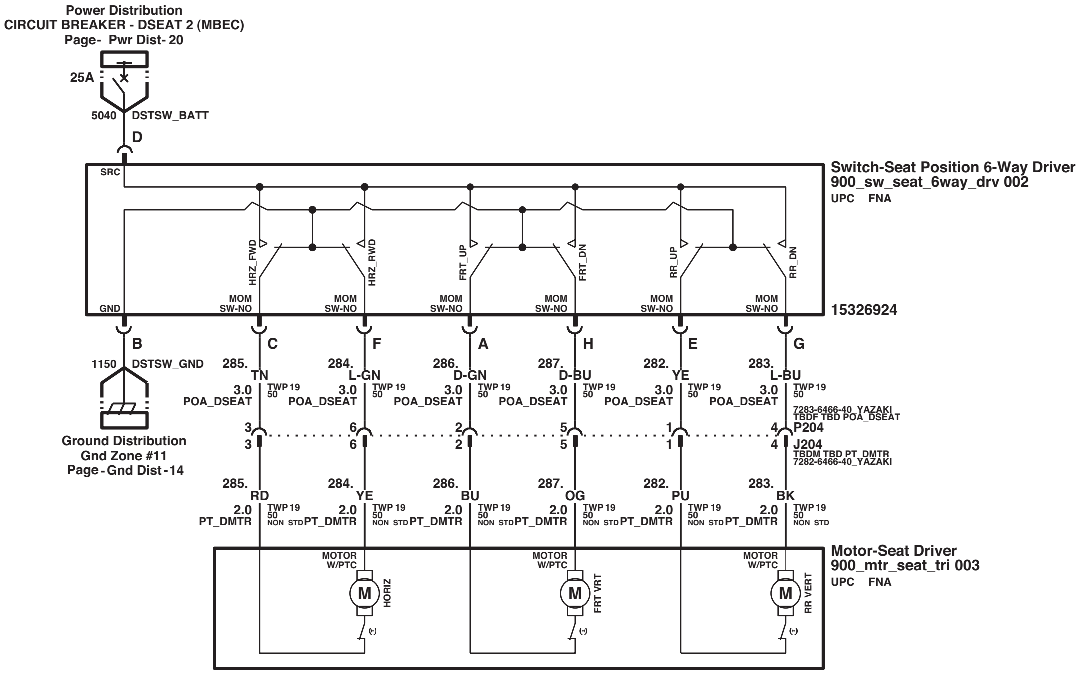

Module-Seat Heated/Vented Rear
900_mdl_seat_heat_rr 002
UPC FNA
4
J1-15134095
J2-15134093
J3-15127042
J4-15126711
LRR_HTD_ST_SEN_LO_REF
ZN#
GND
LRR_HTD_ST_SEN_SIG
5V
A/D PU
LRR_HTD_ST_CUSH_ELE_LO_REF
LSD
ZN#
LRR_HTD_ST_ELE_SPLY_V
RRR_HTD_ST_ELE_SPLY_V
BATT
HSD
RRR_HTD_ST_SEN_LO_REF
ZN#
GND
RRR_HTD_ST_SEN_SIG
5V
A/D PU
RRR_HTD_ST_CUSH_ELE_LO_REF
LSD
ZN#
J2-6
J4-9
J1-5
J1-3
J1-6
J2-8
J4-20
J1-2
5
2298. D-BU 0.35 TWP 7 50 POA_LRSEAT
2299. L-BU 0.35 TWP 7 50 POA_LRSEAT
2295. BN 1.0 TWP 19 50 POA_LRSEAT
2301. WH/BK 0.35 TWP 7 50 POA_LRSEAT
2300. OG 0.35 TWP 7 50 POA_LRSEAT
2297. BN 1.0 TWP 19 50 POA_LRSEAT
2445. PK 1.0 TWP 19 50 POA_LRSEAT
2455. D-BU 1.0 TWP 19 50 POA_LRSEAT
15326928
8M GT280 POA_LRSEAT
J255
P255
8F GT280 BODY
15326924
F F
E E
D D
G G
2455. D-BU 1.0 TWP 19 50 BODY
2301. WH/BK 0.35 TWP 7 50 BODY
2300. OG 0.35 TWP 7 50 BODY
2297. BN 1.0 TWP 19 50 BODY
15326924
8F GT280 BODY
P256
J256
8M GT280 POA_RRSEAT
15326928
F F
E E
D D
G G
2455. D-BU 1.0 TWP 19 50 POA_RRSEAT
2301. WH/BK 0.35 TWP 7 50 POA_RRSEAT
2300. OG 0.35 TWP 7 50 POA_RRSEAT
2297. BN 1.0 TWP 19 50 POA_RRSEAT
12047786
4M M/P150 POA_LRSEAT
J183
P183
4F MP150 PT_LRCUSH
00000183
D D
C C
B B
A A
12047786
4M M/P150 POA_RRSEAT
J184
P184
4F M/P150 PT_RRCUSH
00000184
A A
D D
C C
B B
2298. BK/RD 0.5 TWP 7 50 NON_STD PT_LRCUSH
2299. BK/RD 0.5 TWP 7 50 NON_STD PT_LRCUSH
2295. YE 0.8 TWP 7 50 NON_STD PT_LRCUSH
2445. YE 0.8 TWP 7 50 NON_STD PT_LRCUSH
2455. YE 0.8 TWP 7 50 NON_STD PT_RRCUSH
2301. BK/RD 0.5 TWP 7 50 NON_STD PT_RRCUSH
2300. BK/RD 0.5 TWP 7 50 NON_STD PT_RRCUSH
2297. YE 0.8 TWP 7 50 NON_STD PT_RRCUSH
Heater-Seat Cushion Rear Left
900_heat_seat_cush_rr 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT
Heater-Seat Cushion Rear Right
900_heat_seat_cush_rr 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT

NOTES

- • 1 – NO HEATED SEAT SWITCHES ON REAR DOORS.
- • 2 – HEATED SEAT SWITCHES WILL BE LOCATED ON REAR HVAC HEAD OR REAR CONSOLE &
  – WILL BE HARDWIRED TO THE MODULE.
- • 3 – MAX CONTENT OF SINGLE MODE DUAL TEMP SUPPORTED.
- • 4 – SAME MODULE AND HARDWARE AS HEATED/VENTED ALTHOUGH VENTED UNUSED.
- • 5 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- • 6 – PARALLEL GROUNDS MAY BE REQUIRED TO MEET GMLAN GROUND OFFSET REQUIREMENTS

ARE16419 003 GMT900 GM Proprietary	Tuesday, August 22, 2006 3:54:16 pm 3 IEC/ESI	Positioning/Comfort: Heated Seats - Rear 1_08_pc_st_hv_rr Panel 2 of 2	&KA6	2008 GMT900 System Status: Object Status:

Positioning/Comfort: Power Driver Seat


Power Distribution
CIRCUIT BREAKER - DSEAT 2 (MBEC)
Page- Pwr Dist- 20
25A
5040 DSTSW_BATT
D
SRC
Switch-Seat Position 6-Way Driver
900_sw_seat_6way_drv 002
UPC FNA
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
GND
MOM SW-NO
15326924
B
C
F
A
H
E
G
1150 DSTSW_GND
285. TN 3.0 POA_DSEAT TWP 19 50
284. L-GN 3.0 POA_DSEAT TWP 19 50
286. D-GN 3.0 POA_DSEAT TWP 19 50
287. D-BU 3.0 POA_DSEAT TWP 19 50
282. YE 3.0 POA_DSEAT TWP 19 50
283. L-BU 3.0 POA_DSEAT TWP 19 50
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
7283-6466-40_YAZAKI
TBDF TBD POA_DSEAT
P204
3 6 2 5 1 4
J204
TBDM TBD PT_DMTR
7282-6466-40_YAZAKI
285. RD 2.0 PT_DMTR TWP 19 50 NON_STD
284. YE 2.0 PT_DMTR TWP 19 50 NON_STD
286. BU 2.0 PT_DMTR TWP 19 50 NON_STD
287. OG 2.0 PT_DMTR TWP 19 50 NON_STD
282. PU 2.0 PT_DMTR TWP 19 50 NON_STD
283. BK 2.0 PT_DMTR TWP 19 50 NON_STD
Motor-Seat Driver
900_mtr_seat_tri 003
UPC FNA
MOTOR W/PTC
M
HORIZ
FRT VRT
RR VERT

ARE16421
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:58:33 am 3
IEC/ESI

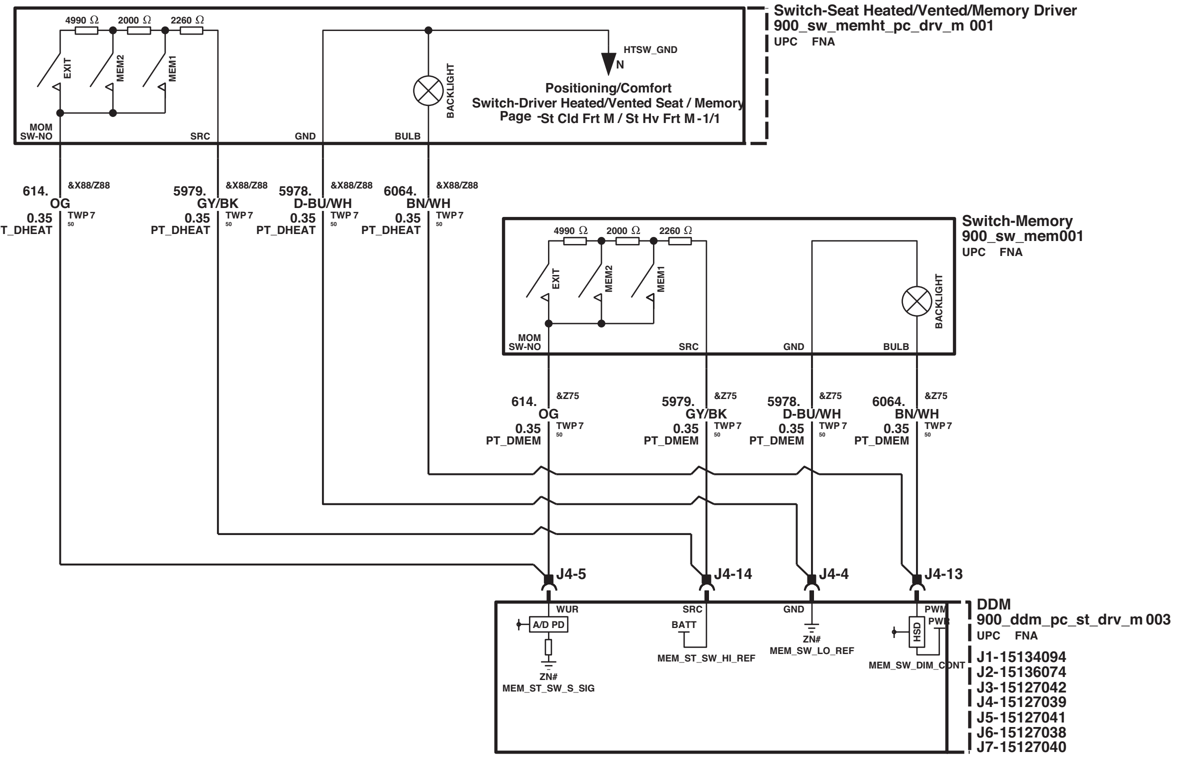
Positioning/Comfort: Power Driver Seat

1_08_pc_st_pwr_drv Panel 1 of 1

&AG1-AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Power Driver Seat w/Memory


Switch-Seat Heated/Vented/Memory Driver
900_sw_memht_pc_drv_m 001
UPC FNA
4990 Ω
2000 Ω
2260 Ω
EXIT
MEM2
MEM1
BACKLIGHT
HTSW_GND
N
Positioning/Comfort
Switch-Driver Heated/Vented Seat / Memory
Page - St Cld Frt M / St Hv Frt M - 1/1
MOM SW-NO
SRC
GND
BULB
614.
OG
0.35
PT_DHEAT
&X88/Z88
TWP 7
50
5979.
GY/BK
0.35
PT_DHEAT
&X88/Z88
TWP 7
50
5978.
D-BU/WH
0.35
PT_DHEAT
&X88/Z88
TWP 7
50
6064.
BN/WH
0.35
PT_DHEAT
&X88/Z88
TWP 7
50
Switch-Memory
900_sw_mem001
UPC FNA
4990 Ω
2000 Ω
2260 Ω
EXIT
MEM2
MEM1
BACKLIGHT
MOM SW-NO
SRC
GND
BULB
614.
OG
0.35
PT_DMEM
&Z75
TWP 7
50
5979.
GY/BK
0.35
PT_DMEM
&Z75
TWP 7
50
5978.
D-BU/WH
0.35
PT_DMEM
&Z75
TWP 7
50
6064.
BN/WH
0.35
PT_DMEM
&Z75
TWP 7
50
J4-5
J4-14
J4-4
J4-13
WUR
A/D PD
ZN#
MEM_ST_SW_S_SIG
SRC
BATT
MEM_ST_SW_HI_REF
GND
ZN#
MEM_SW_LO_REF
PWM
PWR
HSD
MEM_SW_DIM_CONT
DDM
900_ddm_pc_st_drv_m 003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040

NOTES

- 1 – SEE INDIVIDUAL SUBSYSTEMS FOR MEMORY ADJUSTABLE PEDALS, HEATED FRONT SEATS,
  – MIRRORS, & COOLED FRONT SEATS (IF MEMORY).

ARE16420
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:57:52 am 3
IEC/ESI

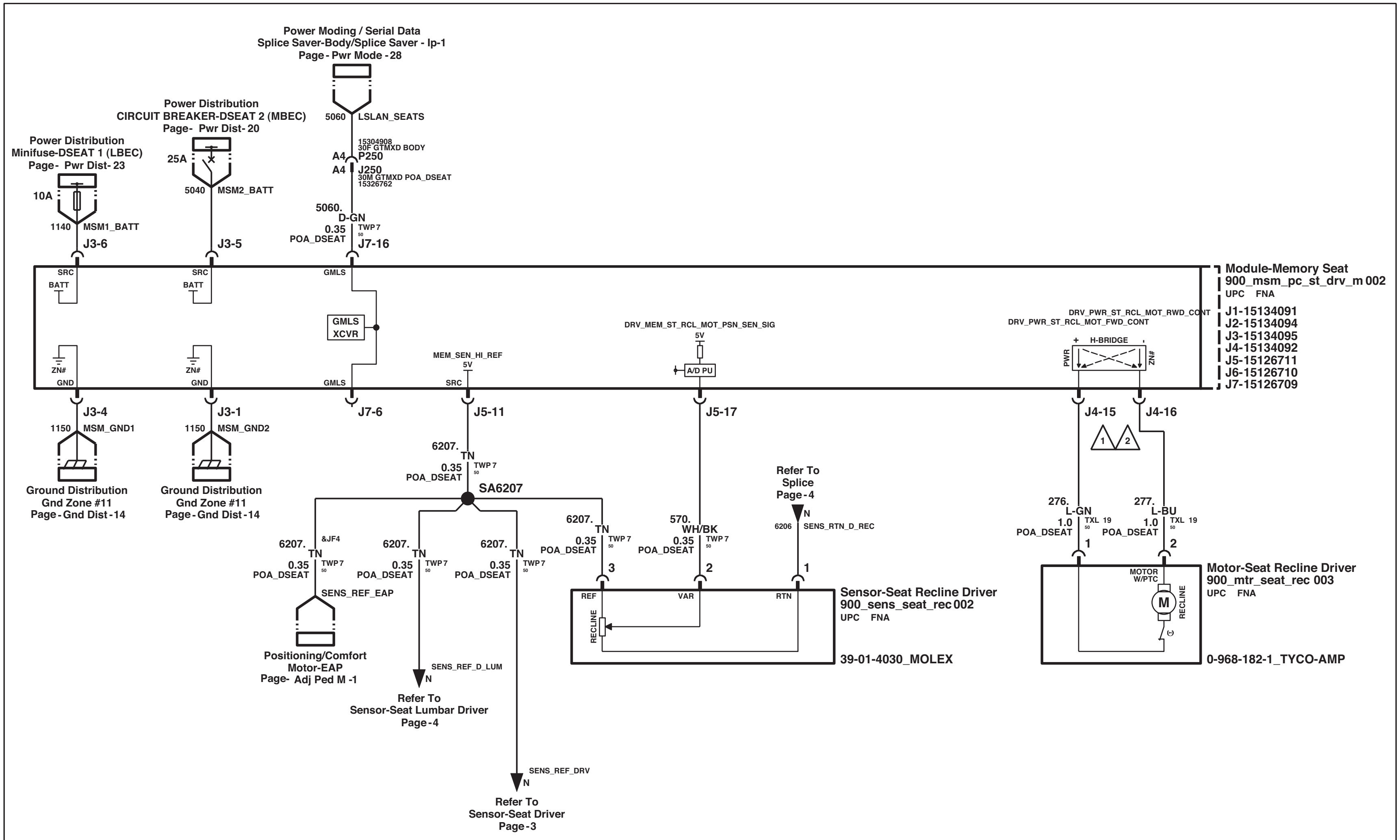
Positioning/Comfort: Power Driver Seat w/Memory

1_08_pc_st_pwr_drv_m Panel 1 of 4

&AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Power Driver Seat w/Memory


Power Moding / Serial Data
Splice Saver-Body/Splice Saver - Ip-1
Page - Pwr Mode - 28
5060 LSLAN_SEATS
15304908
30F GTMXD BODY
A4 P250
A4 J250
30M GTMXD POA_DSEAT
15326762
5060.
D-GN
0.35
POA_DSEAT
TWP 7
50
J7-16
Power Distribution
CIRCUIT BREAKER-DSEAT 2 (MBEC)
Page- Pwr Dist- 20
25A
5040 MSM2_BATT
J3-5
Power Distribution
Minifuse-DSEAT 1 (LBEC)
Page- Pwr Dist- 23
10A
1140 MSM1_BATT
J3-6
SRC
BATT
SRC
BATT
GMLS
GMLS
XCVR
ZN#
GND
ZN#
GND
GMLS
MEM_SEN_HI_REF
5V
SRC
DRV_MEM_ST_RCL_MOT_PSN_SEN_SIG
5V
A/D PU
DRV_PWR_ST_RCL_MOT_RWD_CONT
DRV_PWR_ST_RCL_MOT_FWD_CONT
+ H-BRIDGE -
PWR
ZN#
Module-Memory Seat
900_msm_pc_st_drv_m 002
UPC FNA
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
J3-4
1150 MSM_GND1
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
J3-1
1150 MSM_GND2
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
J7-6
J5-11
6207.
TN
0.35
POA_DSEAT
TWP 7
50
SA6207
6207.
&JF4
TN
0.35
POA_DSEAT
TWP 7
50
SENS_REF_EAP
Positioning/Comfort
Motor-EAP
Page- Adj Ped M -1
6207.
TN
0.35
POA_DSEAT
TWP 7
50
SENS_REF_D_LUM
N
Refer To
Sensor-Seat Lumbar Driver
Page - 4
6207.
TN
0.35
POA_DSEAT
TWP 7
50
SENS_REF_DRV
N
Refer To
Sensor-Seat Driver
Page - 3
6207.
TN
0.35
POA_DSEAT
TWP 7
50
3
J5-17
570.
WH/BK
0.35
POA_DSEAT
TWP 7
50
2
Refer To
Splice
Page - 4
N
6206 SENS_RTN_D_REC
1
REF
VAR
RTN
RECLINE
Sensor-Seat Recline Driver
900_sens_seat_rec 002
UPC FNA
39-01-4030_MOLEX
J4-15
J4-16
1
2
276.
L-GN
1.0
POA_DSEAT
TXL 19
50
1
277.
L-BU
1.0
POA_DSEAT
TXL 19
50
2
MOTOR
W/PTC
M
RECLINE
Motor-Seat Recline Driver
900_mtr_seat_rec 003
UPC FNA
0-968-182-1_TYCO-AMP

NOTES

- • 1 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- • 2 – CONN CANNOT ACCEPT LARGER THAN 1.O GAGE. MSM WILL LIMIT CURRENT.

ARE16420
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:57:52 am 3
IEC/ESI

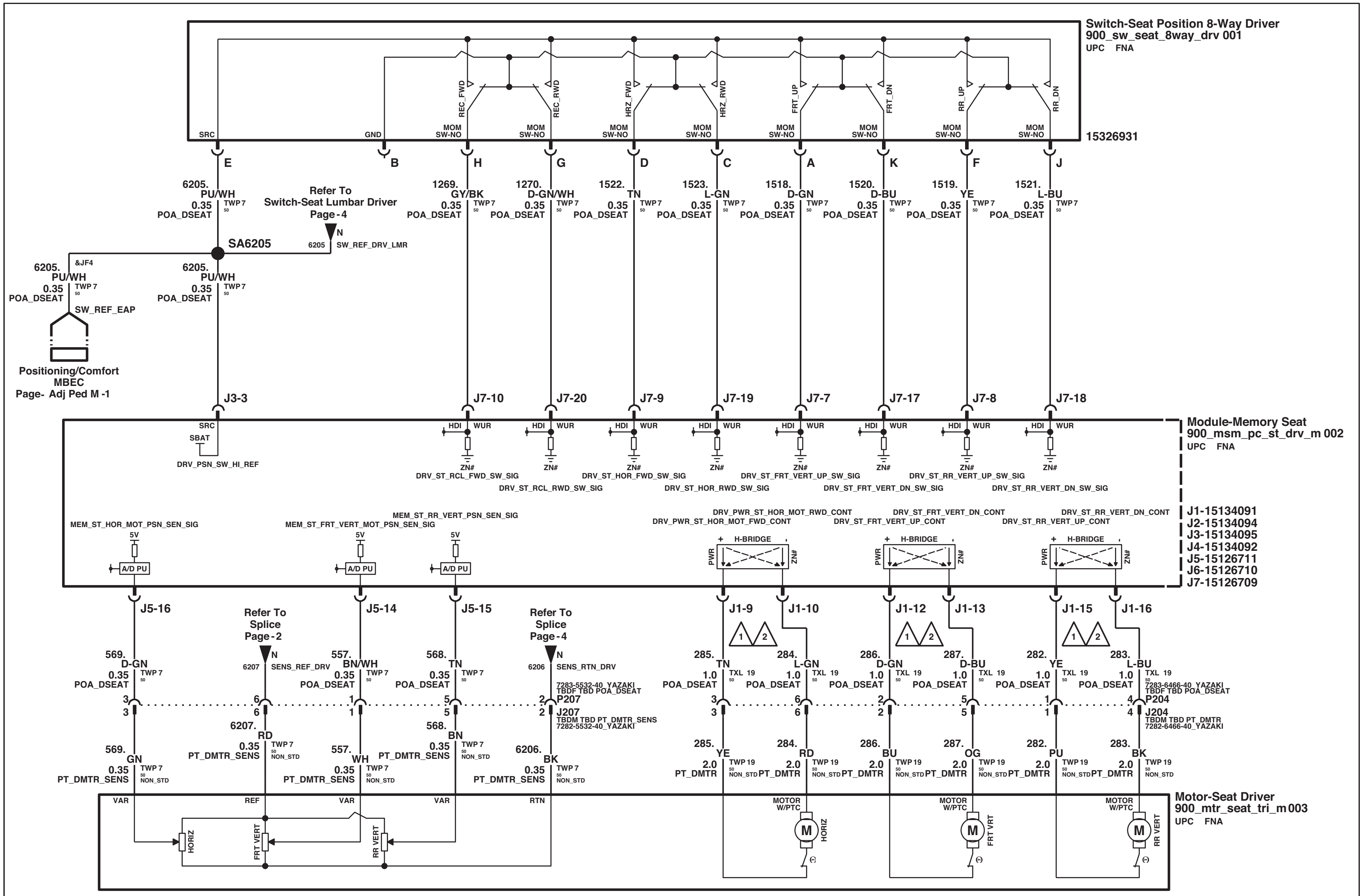
Positioning/Comfort: Power Driver Seat w/Memory

1_08_pc_st_pwr_drv_m Panel 2 of 4

&AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Power Driver Seat w/Memory


Switch-Seat Position 8-Way Driver
900_sw_seat_8way_drv 001
UPC FNA
15326931
SRC
GND
MOM SW-NO
REC_FWD
REC_RWD
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
E
B
H
G
D
C
A
K
F
J
6205. PU/WH 0.35 TWP 7 50 POA_DSEAT
Refer To Switch-Seat Lumbar Driver Page - 4
N
6205 SW_REF_DRV_LMR
SA6205
1269. GY/BK 0.35 TWP 7 50 POA_DSEAT
1270. D-GN/WH 0.35 TWP 7 50 POA_DSEAT
1522. TN 0.35 TWP 7 50 POA_DSEAT
1523. L-GN 0.35 TWP 7 50 POA_DSEAT
1518. D-GN 0.35 TWP 7 50 POA_DSEAT
1520. D-BU 0.35 TWP 7 50 POA_DSEAT
1519. YE 0.35 TWP 7 50 POA_DSEAT
1521. L-BU 0.35 TWP 7 50 POA_DSEAT
&JF4
6205. PU/WH 0.35 TWP 7 50 POA_DSEAT
SW_REF_EAP
6205. PU/WH 0.35 TWP 7 50 POA_DSEAT
Positioning/Comfort MBEC Page- Adj Ped M -1
J3-3
J7-10
J7-20
J7-9
J7-19
J7-7
J7-17
J7-8
J7-18
Module-Memory Seat
900_msm_pc_st_drv_m 002
UPC FNA
SRC
SBAT
DRV_PSN_SW_HI_REF
HDI
WUR
ZN#
DRV_ST_RCL_FWD_SW_SIG
DRV_ST_RCL_RWD_SW_SIG
DRV_ST_HOR_FWD_SW_SIG
DRV_ST_HOR_RWD_SW_SIG
DRV_ST_FRT_VERT_UP_SW_SIG
DRV_ST_FRT_VERT_DN_SW_SIG
DRV_ST_RR_VERT_UP_SW_SIG
DRV_ST_RR_VERT_DN_SW_SIG
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
MEM_ST_HOR_MOT_PSN_SEN_SIG
MEM_ST_FRT_VERT_MOT_PSN_SEN_SIG
MEM_ST_RR_VERT_PSN_SEN_SIG
5V
A/D PU
DRV_PWR_ST_HOR_MOT_RWD_CONT
DRV_PWR_ST_HOR_MOT_FWD_CONT
DRV_ST_FRT_VERT_DN_CONT
DRV_ST_FRT_VERT_UP_CONT
DRV_ST_RR_VERT_DN_CONT
DRV_ST_RR_VERT_UP_CONT
+ H-BRIDGE
PWR
ZN#
J5-16
J5-14
J5-15
Refer To Splice Page - 2
Refer To Splice Page - 4
J1-9
J1-10
J1-12
J1-13
J1-15
J1-16
1
2
569. D-GN 0.35 TWP 7 50 POA_DSEAT
6207 SENS_REF_DRV
557. BN/WH 0.35 TWP 7 50 POA_DSEAT
568. TN 0.35 TWP 7 50 POA_DSEAT
6206 SENS_RTN_DRV
285. TN 1.0 TXL 19 50 POA_DSEAT
284. L-GN 1.0 TXL 19 50 POA_DSEAT
286. D-GN 1.0 TXL 19 50 POA_DSEAT
287. D-BU 1.0 TXL 19 50 POA_DSEAT
282. YE 1.0 TXL 19 50 POA_DSEAT
283. L-BU 1.0 TXL 19 50
7283-5532-40 YAZAKI TBDF TBD POA_DSEAT
P207
J207
TBDM TBD PT_DMTR_SENS 7282-5532-40 YAZAKI
7283-6466-40 YAZAKI TBDF TBD POA_DSEAT
P204
J204
TBDM TBD PT_DMTR 7282-6466-40 YAZAKI
569. GN 0.35 TWP 7 50 NON_STD PT_DMTR_SENS
6207. RD 0.35 TWP 7 50 NON_STD PT_DMTR_SENS
557. WH 0.35 TWP 7 50 NON_STD PT_DMTR_SENS
568. BN 0.35 TWP 7 50 NON_STD PT_DMTR_SENS
6206. BK 0.35 TWP 7 50 NON_STD PT_DMTR_SENS
285. YE 2.0 TWP 19 50 NON_STD PT_DMTR
284. RD 2.0 TWP 19 50 NON_STD PT_DMTR
286. BU 2.0 TWP 19 50 NON_STD PT_DMTR
287. OG 2.0 TWP 19 50 NON_STD PT_DMTR
282. PU 2.0 TWP 19 50 NON_STD PT_DMTR
283. BK 2.0 TWP 19 50 NON_STD
Motor-Seat Driver
900_mtr_seat_tri_m 003
UPC FNA
VAR
REF
RTN
HORIZ
FRT VERT
RR VERT
MOTOR W/PTC
M

NOTES

- • 1 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- • 2 – CONN CANNOT ACCEPT LARGER THAN 1.O GAGE. MSM WILL LIMIT CURRENT.

ARE16420
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
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IEC/ESI

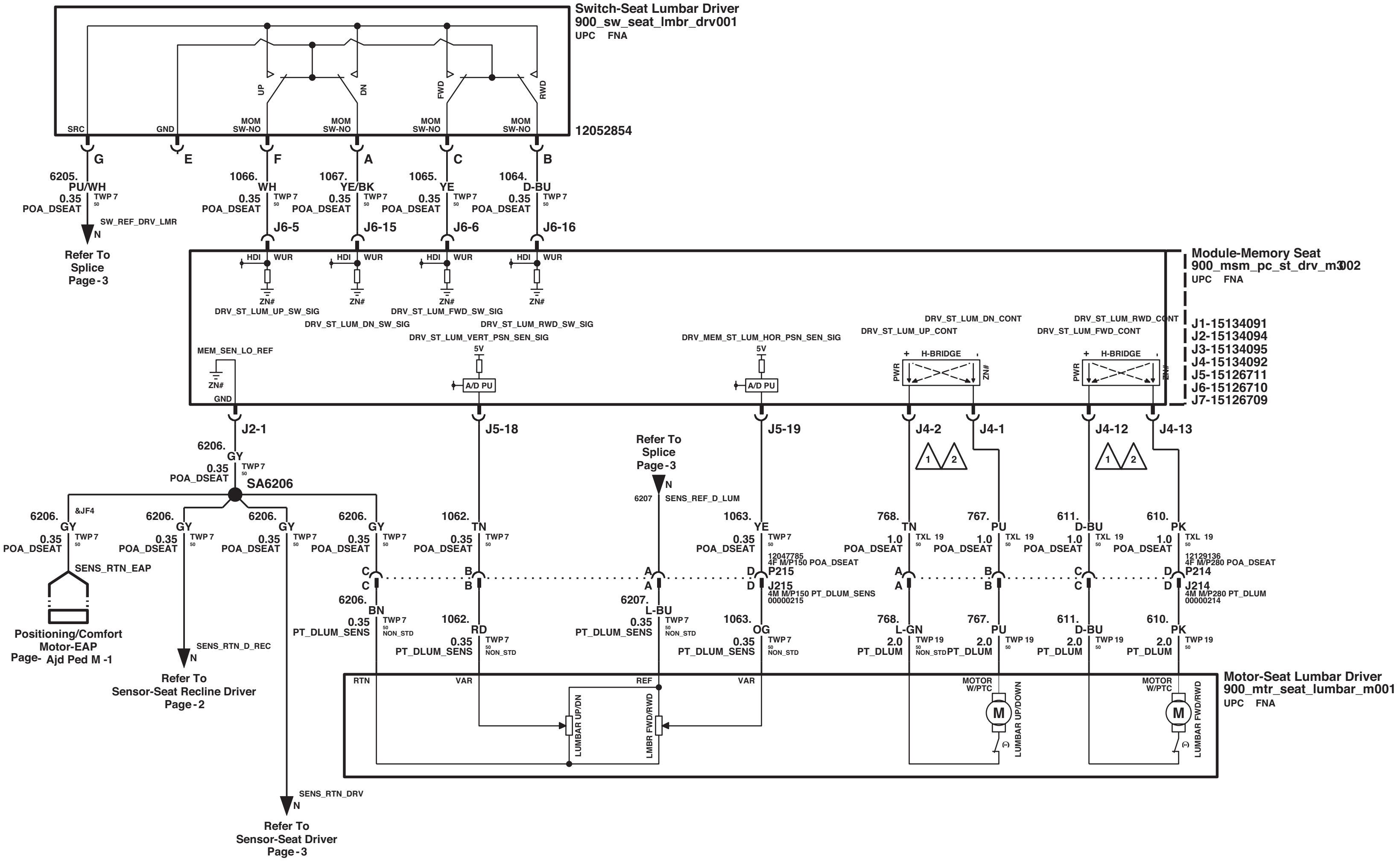
Positioning/Comfort: Power Driver Seat w/Memory

1_08_pc_st_pwr_drv_m Panel 3 of 4

&AN3

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Power Driver Seat w/Memory

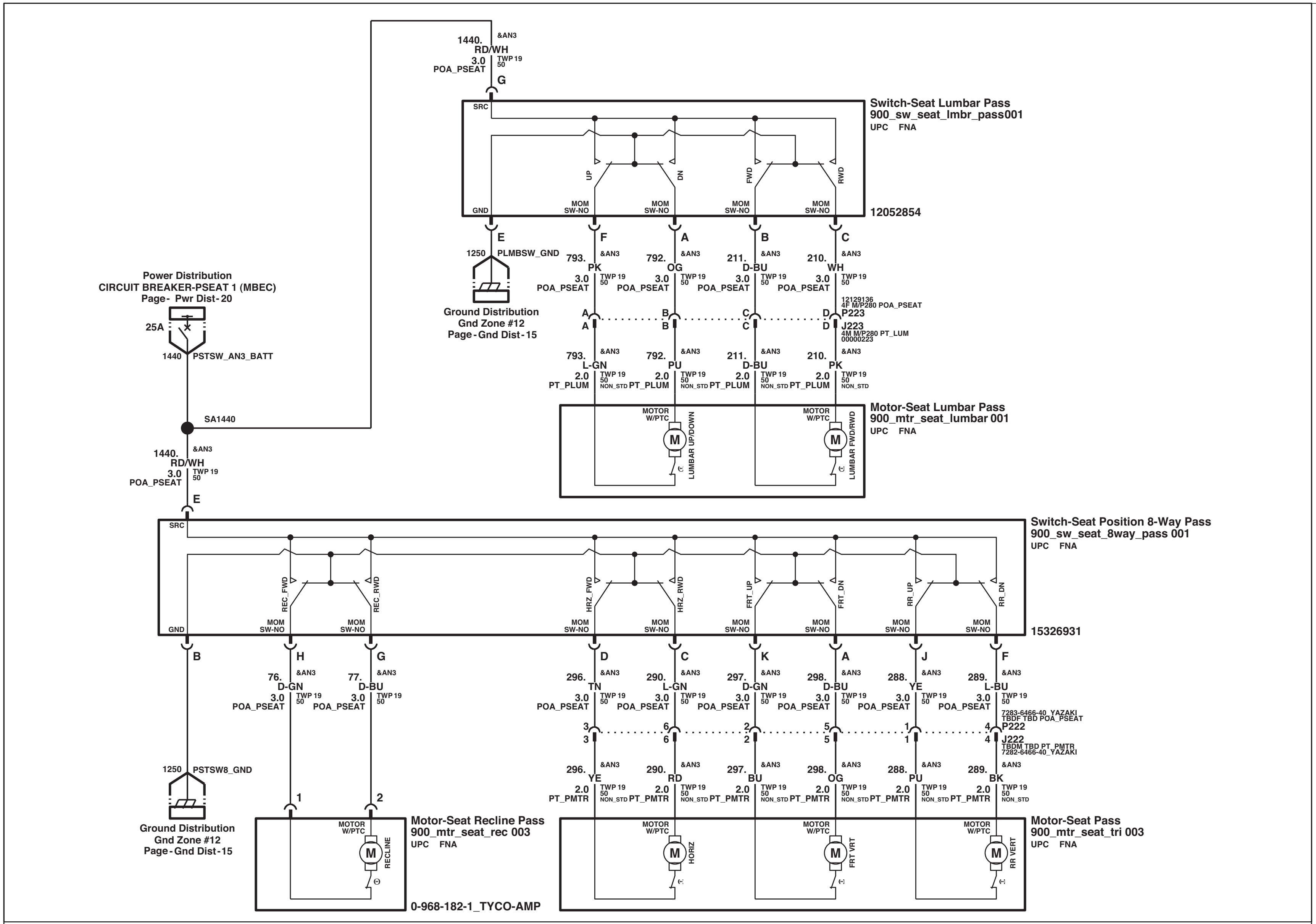

Switch-Seat Lumbar Driver
900_sw_seat_lmbr_drv001
UPC FNA
12052854
UP
DN
FWD
RWD
SRC
GND
MOM SW-NO
MOM SW-NO
MOM SW-NO
MOM SW-NO
G
E
F
A
C
B
6205. PU/WH 0.35 TWP 7 POA_DSEAT
SW_REF_DRV_LMR
N
Refer To Splice Page - 3
1066. WH 0.35 TWP 7 POA_DSEAT
1067. YE/BK 0.35 TWP 7 POA_DSEAT
1065. YE 0.35 TWP 7 POA_DSEAT
1064. D-BU 0.35 TWP 7 POA_DSEAT
J6-5
J6-15
J6-6
J6-16
Module-Memory Seat
900_msm_pc_st_drv_m3002
UPC FNA
HDI WUR
ZN#
DRV_ST_LUM_UP_SW_SIG
DRV_ST_LUM_DN_SW_SIG
DRV_ST_LUM_FWD_SW_SIG
DRV_ST_LUM_RWD_SW_SIG
DRV_ST_LUM_VERT_PSN_SEN_SIG
DRV_MEM_ST_LUM_HOR_PSN_SEN_SIG
DRV_ST_LUM_DN_CONT
DRV_ST_LUM_UP_CONT
DRV_ST_LUM_RWD_CONT
DRV_ST_LUM_FWD_CONT
J1-15134091
J2-15134094
J3-15134095
J4-15134092
J5-15126711
J6-15126710
J7-15126709
MEM_SEN_LO_REF
5V
A/D PU
H-BRIDGE
PWR
GND
J2-1
J5-18
J5-19
J4-2
J4-1
J4-12
J4-13
1 2
6206. GY 0.35 TWP 7 POA_DSEAT
SA6206
Refer To Splice Page - 3
6207 SENS_REF_D_LUM
N
6206. GY 0.35 TWP 7 POA_DSEAT &JF4
SENS_RTN_EAP
Positioning/Comfort Motor-EAP Page- Ajd Ped M -1
6206. GY 0.35 TWP 7 POA_DSEAT
SENS_RTN_D_REC
Refer To Sensor-Seat Recline Driver Page - 2
6206. GY 0.35 TWP 7 POA_DSEAT
SENS_RTN_DRV
Refer To Sensor-Seat Driver Page - 3
6206. GY 0.35 TWP 7 POA_DSEAT
1062. TN 0.35 TWP 7 POA_DSEAT
1063. YE 0.35 TWP 7 POA_DSEAT
768. TN 1.0 TXL 19 POA_DSEAT
767. PU 1.0 TXL 19 POA_DSEAT
611. D-BU 1.0 TXL 19 POA_DSEAT
610. PK 1.0 TXL 19
12047785 4F M/P150 POA_DSEAT
P215
J215 4M M/P150 PT_DLUM_SENS 00000215
12129136 4F M/P280 POA_DSEAT
P214
J214 4M M/P280 PT_DLUM 00000214
C B A D A B C D
6206. BN 0.35 TWP 7 NON_STD PT_DLUM_SENS
1062. RD 0.35 TWP 7 NON_STD PT_DLUM_SENS
6207. L-BU 0.35 TWP 7 NON_STD PT_DLUM_SENS
1063. OG 0.35 TWP 7 NON_STD PT_DLUM_SENS
768. L-GN 2.0 TWP 19 NON_STD PT_DLUM
767. PU 2.0 TWP 19 PT_DLUM
611. D-BU 2.0 TWP 19 PT_DLUM
610. PK 2.0 TWP 19 PT_DLUM
Motor-Seat Lumbar Driver
900_mtr_seat_lumbar_m001
UPC FNA
RTN
VAR
REF
VAR
LUMBAR UP/DN
LMBR FWD/RWD
MOTOR W/PTC
M
LUMBAR UP/DOWN
LUMBAR FWD/RWD

NOTES

- 1 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- 2 – CONN CANNOT ACCEPT LARGER THAN 1.O GAGE. MSM WILL LIMIT CURRENT.

ARE16420 003 GMT900 GM Proprietary	Tuesday, August 22, 2006 8:57:52 am 3 IEC/ESI	**Positioning/Comfort: Power Driver Seat w/Memory** 1_08_pc_st_pwr_drv_m Panel 4 of 4 &AN3	2008 GMT900 IVER System Status: Object Status:

Positioning/Comfort: Power Passenger Seat


1440.
&AN3
RD/WH
3.0
TWP 19 50
POA_PSEAT
G
SRC
Switch-Seat Lumbar Pass
900_sw_seat_lmbr_pass001
UPC FNA
UP
DN
FWD
RWD
GND
MOM SW-NO
MOM SW-NO
MOM SW-NO
MOM SW-NO
12052854
E
F
A
B
C
1250
PLMBSW_GND
793.
PK
792.
OG
211.
D-BU
210.
WH
3.0
POA_PSEAT
12129136
4F M/P280 POA_PSEAT
P223
J223
4M M/P280 PT_LUM
00000223
A
B
C
D
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-15
Power Distribution
CIRCUIT BREAKER-PSEAT 1 (MBEC)
Page- Pwr Dist-20
25A
1440
PSTSW_AN3_BATT
793.
L-GN
792.
PU
211.
D-BU
210.
PK
2.0
TWP 19 50 NON_STD
PT_PLUM
Motor-Seat Lumbar Pass
900_mtr_seat_lumbar 001
UPC FNA
MOTOR W/PTC
M
LUMBAR UP/DOWN
LUMBAR FWD/RWD
SA1440
1440.
RD/WH
3.0
POA_PSEAT
E
SRC
Switch-Seat Position 8-Way Pass
900_sw_seat_8way_pass 001
UPC FNA
REC_FWD
REC_RWD
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
GND
MOM SW-NO
15326931
B
H
G
D
C
K
A
J
F
76.
D-GN
77.
D-BU
296.
TN
290.
L-GN
297.
D-GN
298.
D-BU
288.
YE
289.
L-BU
3.0
POA_PSEAT
7283-6466-40_YAZAKI
TBDF TBD POA_PSEAT
P222
J222
TBDM TBD PT_PMTR
7282-6466-40_YAZAKI
3
6
2
5
1
4
296.
YE
290.
RD
297.
BU
298.
OG
288.
PU
289.
BK
2.0
PT_PMTR
TWP 19 50 NON_STD
1250
PSTSW8_GND
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-15
1
2
Motor-Seat Recline Pass
900_mtr_seat_rec 003
UPC FNA
MOTOR W/PTC
M
RECLINE
0-968-182-1_TYCO-AMP
Motor-Seat Pass
900_mtr_seat_tri 003
UPC FNA
HORIZ
FRT VRT
RR VERT

ARE16422
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:58:53 am 4
IEC/ESI

Positioning/Comfort: Power Passenger Seat

1_08_pc_st_pwr_pas Panel 1 of 2

&AG2

2008
GMT900
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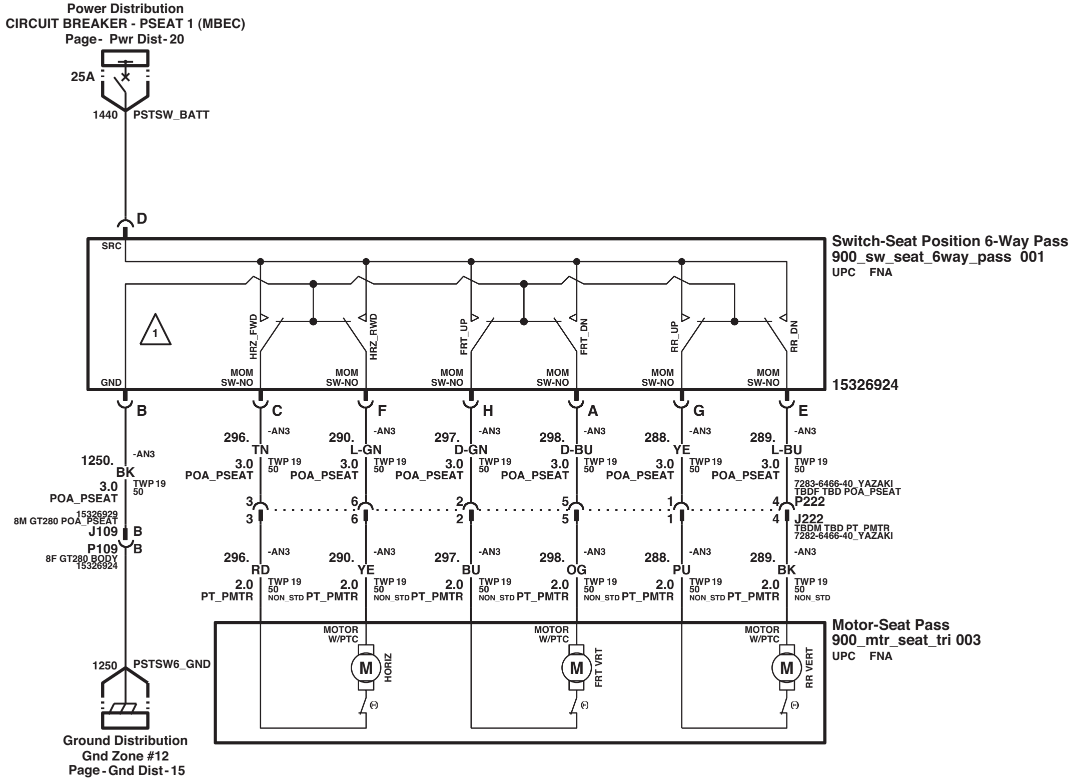
System Status: Object Status:

Positioning/Comfort: Power Passenger Seat


Power Distribution
CIRCUIT BREAKER - PSEAT 1 (MBEC)
Page- Pwr Dist- 20
25A
1440 PSTSW_BATT
D
SRC
GND
1
Switch-Seat Position 6-Way Pass
900_sw_seat_6way_pass 001
UPC FNA
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
MOM SW-NO
15326924
B
C
F
H
A
G
E
1250. -AN3 BK 3.0 TWP 19 50 POA_PSEAT
296. -AN3 TN 3.0 TWP 19 50 POA_PSEAT
290. -AN3 L-GN 3.0 TWP 19 50 POA_PSEAT
297. -AN3 D-GN 3.0 TWP 19 50 POA_PSEAT
298. -AN3 D-BU 3.0 TWP 19 50 POA_PSEAT
288. -AN3 YE 3.0 TWP 19 50 POA_PSEAT
289. -AN3 L-BU 3.0 TWP 19 50
7283-6466-40_YAZAKI
TBDF TBD POA_PSEAT
P222
J222
TBDM TBD PT_PMTR
7282-6466-40_YAZAKI
3 6 2 5 1 4
15326929
8M GT280 POA_PSEAT
J109 B
P109 B
8F GT280 BODY
15326924
296. -AN3 RD 2.0 TWP 19 50 NON_STD PT_PMTR
290. -AN3 YE 2.0 TWP 19 50 NON_STD PT_PMTR
297. -AN3 BU 2.0 TWP 19 50 NON_STD PT_PMTR
298. -AN3 OG 2.0 TWP 19 50 NON_STD PT_PMTR
288. -AN3 PU 2.0 TWP 19 50 NON_STD PT_PMTR
289. -AN3 BK 2.0 TWP 19 50 NON_STD
Motor-Seat Pass
900_mtr_seat_tri 003
UPC FNA
MOTOR W/PTC
M
HORIZ
FRT VRT
RR VERT
1250 PSTSW6_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15

ARE16422
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:58:53 am 4
IEC/ESI

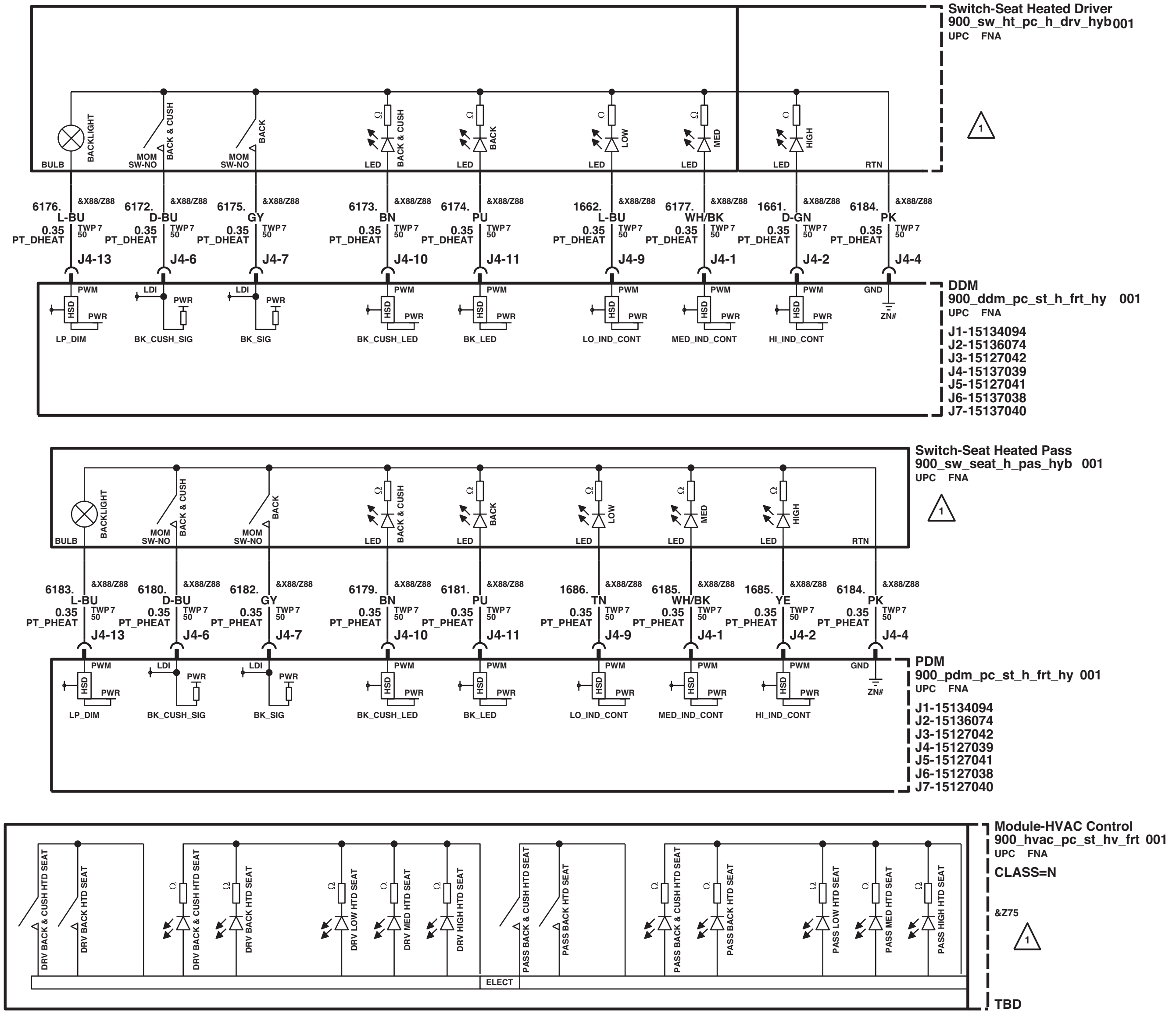
Positioning/Comfort: Power Passenger Seat

1_08_pc_st_pwr_pas Panel 2 of 2

&AG2

2008
GMT900
IVER
System Status: Object Status:

Positioning/Comfort: Power Driver Seat wo/Memory


Switch-Seat Heated Driver
900_sw_ht_pc_h_drv_hyb001
UPC FNA
BACKLIGHT
BULB
MOM SW-NO
BACK & CUSH
BACK
LED
LOW
MED
HIGH
RTN
1
6176. L-BU 0.35 PT_DHEAT TWP 7 50 &X88/Z88 J4-13
6172. D-BU 0.35 PT_DHEAT J4-6
6175. GY 0.35 PT_DHEAT J4-7
6173. BN 0.35 PT_DHEAT J4-10
6174. PU 0.35 PT_DHEAT J4-11
1662. L-BU 0.35 PT_DHEAT J4-9
6177. WH/BK 0.35 PT_DHEAT J4-1
1661. D-GN 0.35 PT_DHEAT J4-2
6184. PK 0.35 PT_DHEAT J4-4
PWM
LDI
PWR
HSD
GND
ZN#
LP_DIM
BK_CUSH_SIG
BK_SIG
BK_CUSH_LED
BK_LED
LO_IND_CONT
MED_IND_CONT
HI_IND_CONT
DDM
900_ddm_pc_st_h_frt_hy 001
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15137039
J5-15127041
J6-15137038
J7-15137040
Switch-Seat Heated Pass
900_sw_seat_h_pas_hyb 001
UPC FNA
6183. L-BU 0.35 PT_PHEAT J4-13
6180. D-BU 0.35 PT_PHEAT J4-6
6182. GY 0.35 PT_PHEAT J4-7
6179. BN 0.35 PT_PHEAT J4-10
6181. PU 0.35 PT_PHEAT J4-11
1686. TN 0.35 PT_PHEAT J4-9
6185. WH/BK 0.35 PT_PHEAT J4-1
1685. YE 0.35 PT_PHEAT J4-2
6184. PK 0.35 PT_PHEAT J4-4
PDM
900_pdm_pc_st_h_frt_hy 001
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
DRV BACK & CUSH HTD SEAT
DRV BACK HTD SEAT
DRV LOW HTD SEAT
DRV MED HTD SEAT
DRV HIGH HTD SEAT
PASS BACK & CUSH HTD SEAT
PASS BACK HTD SEAT
PASS LOW HTD SEAT
PASS MED HTD SEAT
PASS HIGH HTD SEAT
ELECT
Module-HVAC Control
900_hvac_pc_st_hv_frt 001
UPC FNA
CLASS=N
&Z75
TBD

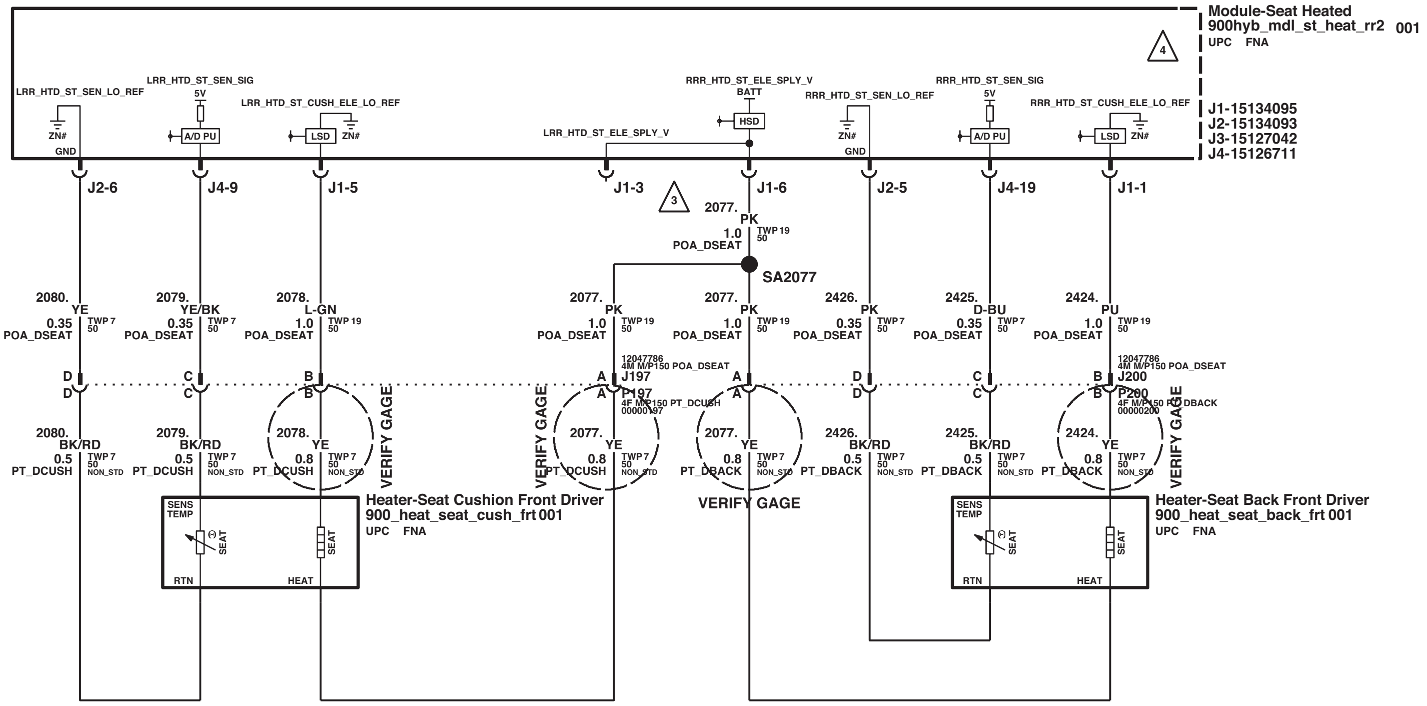
Positioning/Comfort: Heated Seats - Hybrid wo/Memory

Released 08 GMT900 1_08_pc_st_h_frt_hyb 001 STAGE X VERSION 0 LAST CHANGED BY 2:06:50 pm Wednesday, November 16, 2005 ORGANIZATION GMT900 USAGE &HP2

Panel Set: 1 of 4 schematic sheet1 20 $IVEDWORK/1_08_pc_st_h_frt_hyb__001

GM Proprietary

Positioning/Comfort: Power Driver Seat wo/Memory


Module-Seat Heated
900hyb_mdl_st_heat_rr2 001
UPC FNA
4
J1-15134095
J2-15134093
J3-15127042
J4-15126711
LRR_HTD_ST_SEN_LO_REF
ZN#
GND
LRR_HTD_ST_SEN_SIG
5V
A/D PU
LRR_HTD_ST_CUSH_ELE_LO_REF
LSD
ZN#
LRR_HTD_ST_ELE_SPLY_V
RRR_HTD_ST_ELE_SPLY_V
BATT
HSD
RRR_HTD_ST_SEN_LO_REF
ZN#
GND
RRR_HTD_ST_SEN_SIG
5V
A/D PU
RRR_HTD_ST_CUSH_ELE_LO_REF
LSD
ZN#
J2-6
J4-9
J1-5
J1-3
3
J1-6
J2-5
J4-19
J1-1
2077.
PK
1.0
TWP 19
50
POA_DSEAT
SA2077
2080.
YE
0.35
TWP 7
50
POA_DSEAT
2079.
YE/BK
0.35
TWP 7
50
POA_DSEAT
2078.
L-GN
1.0
TWP 19
50
POA_DSEAT
2077.
PK
1.0
TWP 19
50
POA_DSEAT
2077.
PK
1.0
TWP 19
50
POA_DSEAT
2426.
PK
0.35
TWP 7
50
POA_DSEAT
2425.
D-BU
0.35
TWP 7
50
POA_DSEAT
2424.
PU
1.0
TWP 19
50
POA_DSEAT
12047786
4M M/P150 POA_DSEAT
J197
P197
4F M/P150 PT_DCUSH
00000197
12047786
4M M/P150 POA_DSEAT
J200
P200
4F M/P150 PT_DBACK
00000200
D
D
C
C
B
B
A
A
A
A
D
D
C
C
B
B
2080.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DCUSH
2079.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DCUSH
2078.
YE
0.8
TWP 7
50
NON_STD
PT_DCUSH
VERIFY GAGE
VERIFY GAGE
2077.
YE
0.8
TWP 7
50
NON_STD
PT_DCUSH
2077.
YE
0.8
TWP 7
50
NON_STD
PT_DBACK
2426.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DBACK
2425.
BK/RD
0.5
TWP 7
50
NON_STD
PT_DBACK
2424.
YE
0.8
TWP 7
50
NON_STD
PT_DBACK
VERIFY GAGE
VERIFY GAGE
Heater-Seat Cushion Front Driver
900_heat_seat_cush_frt 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT
Heater-Seat Back Front Driver
900_heat_seat_back_frt 001
UPC FNA
SENS TEMP
SEAT
SEAT
RTN
HEAT

Positioning/Comfort: Heated Seats - Hybrid wo/Memory

ꟷION	STAGE	VERSION	LAST CHANGED BY	ORGANIZATION	USAGE
001	X	0	2:06:50 pm	GMT900	&HP2

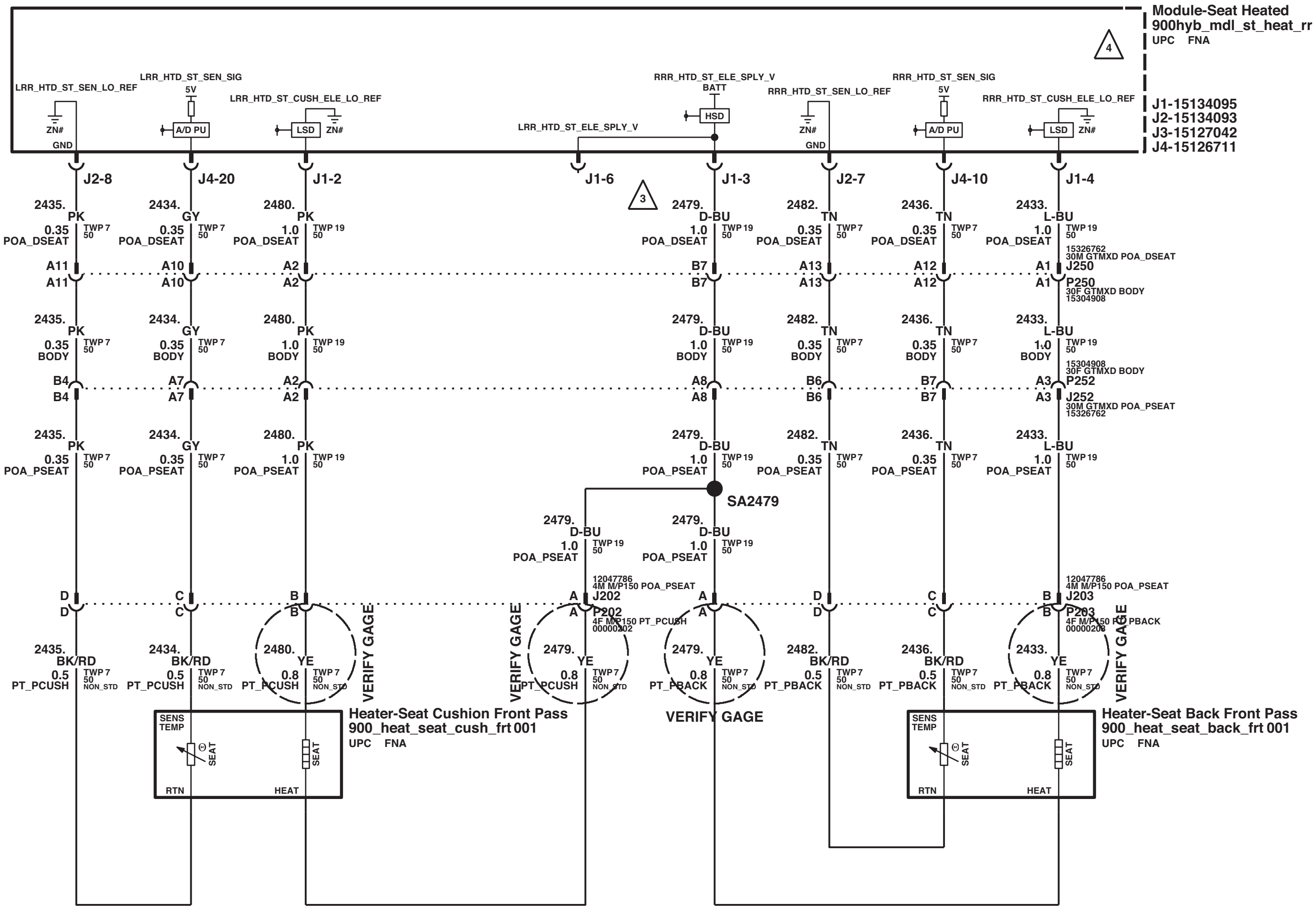
Released 08 GMT900 1_08_pc_st_h_frt_hyb

Panel Set: 2 of 4 schematic sheet1 20 $IVEDWORK/1_08_pc_st_h_frt_hyb__001

Wednesday, November 16, 2005

GM Proprietary

Positioning/Comfort: Power Driver Seat wo/Memory

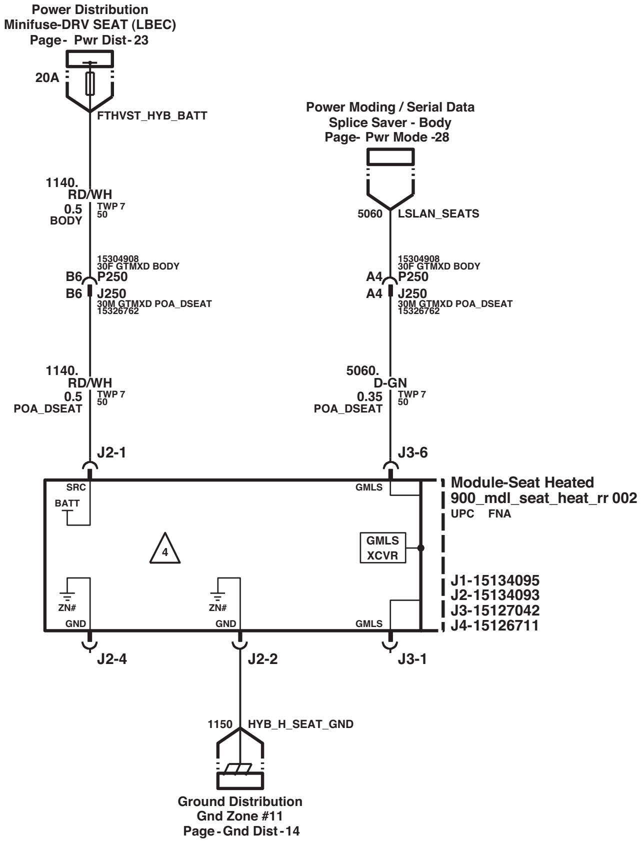

Module-Seat Heated
900hyb_mdl_st_heat_rr 001
UPC FNA
J1-15134095
J2-15134093
J3-15127042
J4-15126711
LRR_HTD_ST_SEN_LO_REF
LRR_HTD_ST_SEN_SIG
LRR_HTD_ST_CUSH_ELE_LO_REF
LRR_HTD_ST_ELE_SPLY_V
RRR_HTD_ST_ELE_SPLY_V
RRR_HTD_ST_SEN_LO_REF
RRR_HTD_ST_SEN_SIG
RRR_HTD_ST_CUSH_ELE_LO_REF
5V
BATT
A/D PU
LSD
HSD
ZN#
GND
J2-8
J4-20
J1-2
J1-6
J1-3
J2-7
J4-10
J1-4
2435. PK 0.35 POA_DSEAT
2434. GY 0.35 POA_DSEAT
2480. PK 1.0 POA_DSEAT
2479. D-BU 1.0 POA_DSEAT
2482. TN 0.35 POA_DSEAT
2436. TN 0.35 POA_DSEAT
2433. L-BU 1.0 POA_DSEAT
TWP 7 50
TWP 19 50
15326762 30M GTMXD POA_DSEAT J250
P250 30F GTMXD BODY 15304908
15304908 30F GTMXD BODY P252
J252 30M GTMXD POA_PSEAT 15326762
SA2479
12047786 4M M/P150 POA_PSEAT J202
P202 4F M/P150 PT_PCUSH 00000202
12047786 4M M/P150 POA_PSEAT J203
P203 4F M/P150 PT_PBACK 00000203
VERIFY GAGE
2435. BK/RD 0.5 PT_PCUSH NON_STD
2434. BK/RD 0.5 PT_PCUSH NON_STD
2480. YE 0.8 PT_PCUSH NON_STD
2479. YE 0.8 PT_PCUSH NON_STD
2479. YE 0.8 PT_PBACK NON_STD
2482. BK/RD 0.5 PT_PBACK NON_STD
2436. BK/RD 0.5 PT_PBACK NON_STD
2433. YE 0.8 PT_PBACK NON_STD
Heater-Seat Cushion Front Pass
900_heat_seat_cush_frt 001
UPC FNA
Heater-Seat Back Front Pass
900_heat_seat_back_frt 001
UPC FNA
SENS TEMP
SEAT
RTN
HEAT
3
4

NOTES

- •1 – HEATED SEAT SWITCHES FOR CHEVY/GMC SHALL BE LOCATED ON FRONT DOORS WIRED TO
  – DOOR MODULES (GMLAN COMMUNICATIONS FOR SWITCH STATUS). HEATED SEAT SWITCHES
  – FOR CADILLAC SHALL BE IN HVAC CONTROLLER.
- •2 – UP TO 3 MODES & 3 LEVELS SUPPORTED.
- •3 – THIS CIRCUIT MAY NOT BE PROTECTED AGAINST A SHORT TO GROUND BY THE UPSTREAM
  – MODULE. USE CARE WHEN SELECTING THE WIRE GAGE.
- •4 – SEE MEMORY DRIVER SEAT FOR BACKLIGHTING BULB.

Positioning/Comfort: Heated Seats - Hybrid wo/Memory	ION	STAGE	VERSION	LAST CHANGED BY	2:06:50 pm	ORGANIZATION	USAGE	
Released 08 GMT900	1_08_pc_st_h_frt_hyb	001	X	0	Wednesday, November 16, 2005	GMT900	&HP2	GM Proprietary
Panel Set: 3 of 4 schematic sheet1 20	$IVEDWORK/1_08_pc_st_h_frt_hyb__001							

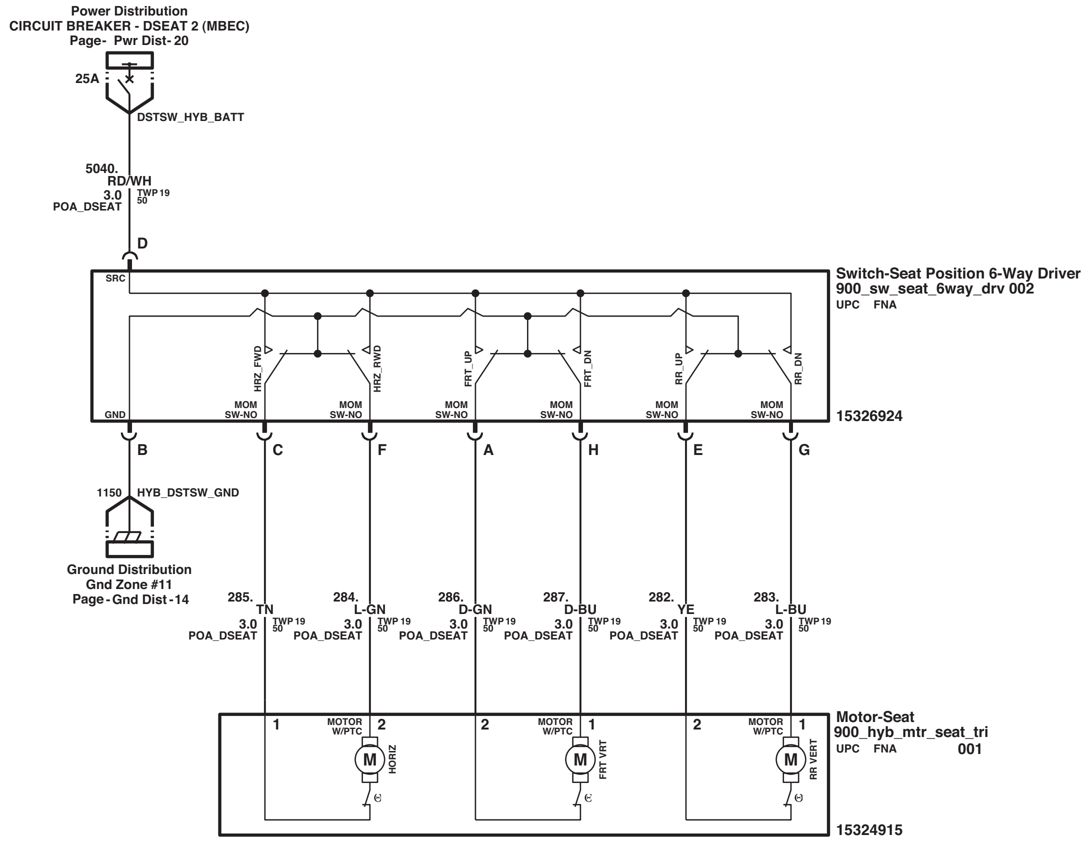
Positioning/Comfort: Power Driver Seat wo/Memory


Power Distribution
Minifuse-DRV SEAT (LBEC)
Page- Pwr Dist- 23
20A
FTHVST_HYB_BATT
1140.
RD/WH
0.5
BODY
TWP 7
50
15304908
30F GTMXD BODY
B6 P250
B6 J250
30M GTMXD POA_DSEAT
15326762
1140.
RD/WH
0.5
POA_DSEAT
TWP 7
50
J2-1
Power Moding / Serial Data
Splice Saver - Body
Page- Pwr Mode -28
5060 LSLAN_SEATS
15304908
30F GTMXD BODY
A4 P250
A4 J250
30M GTMXD POA_DSEAT
15326762
5060.
D-GN
0.35
POA_DSEAT
TWP 7
50
J3-6
SRC
BATT
GMLS
4
GMLS
XCVR
ZN#
GND
ZN#
GND
GMLS
Module-Seat Heated
900_mdl_seat_heat_rr 002
UPC FNA
J1-15134095
J2-15134093
J3-15127042
J4-15126711
J2-4
J2-2
J3-1
1150 HYB_H_SEAT_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14

Positioning/Comfort: Heated Seats - Hybrid wo/Memory ᴉON STAGE VERSION LAST CHANGED BY 2:06:50 pm ORGANIZATION USAGE
Released 08 GMT900 1_08_pc_st_h_frt_hyb 001 X 0 GMT900 &HP2
Panel Set: 4 of 4 schematic sheet1 20 $IVEDWORK/1_08_pc_st_h_frt_hyb__001 Wednesday, November 16, 2005

GM Proprietary

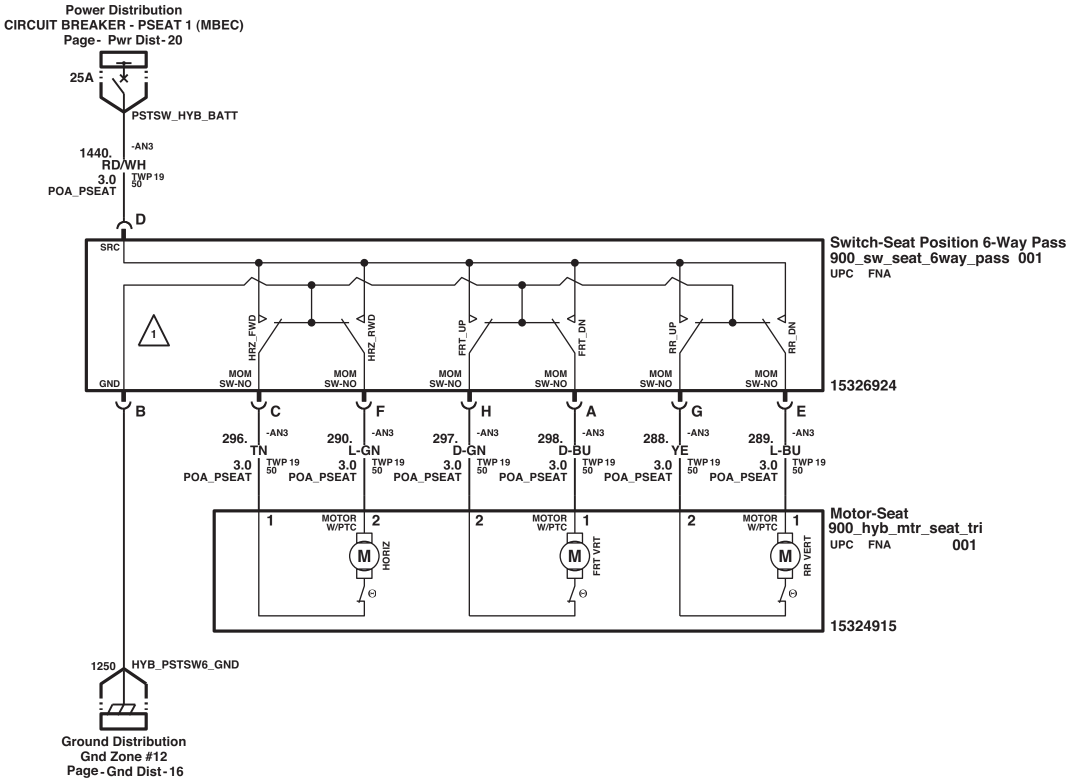
Positioning/Comfort: Power Driver Seat – Hybrid


Power Distribution
CIRCUIT BREAKER - DSEAT 2 (MBEC)
Page- Pwr Dist- 20
25A
DSTSW_HYB_BATT
5040.
RD/WH
3.0
TWP 19
50
POA_DSEAT
D
SRC
Switch-Seat Position 6-Way Driver
900_sw_seat_6way_drv 002
UPC FNA
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
GND
MOM SW-NO
15326924
B
C
F
A
H
E
G
1150
HYB_DSTSW_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
285. TN 3.0 TWP 19 50 POA_DSEAT
284. L-GN 3.0 TWP 19 50 POA_DSEAT
286. D-GN 3.0 TWP 19 50 POA_DSEAT
287. D-BU 3.0 TWP 19 50 POA_DSEAT
282. YE 3.0 TWP 19 50 POA_DSEAT
283. L-BU 3.0 TWP 19 50 POA_DSEAT
Motor-Seat
900_hyb_mtr_seat_tri
UPC FNA 001
1
2
MOTOR W/PTC
M
HORIZ
FRT VRT
RR VERT
15324915

Positioning/Comfort: Power Driver Seat - Hybrid REVISION STAGE VERSION LAST CHANGED BY 8:52:56 am ORGANIZATION USAGE
Released 08 GMT900 1_08_pc_st_pwr_drv_hyb 001 X 0 GMT900 &HP2
Panel Set: 1 of 1 schematic sheet1 8 $IVEDWORK/1_08_pc_st_pwr_drv_hyb__001 Tuesday, January 24, 2006

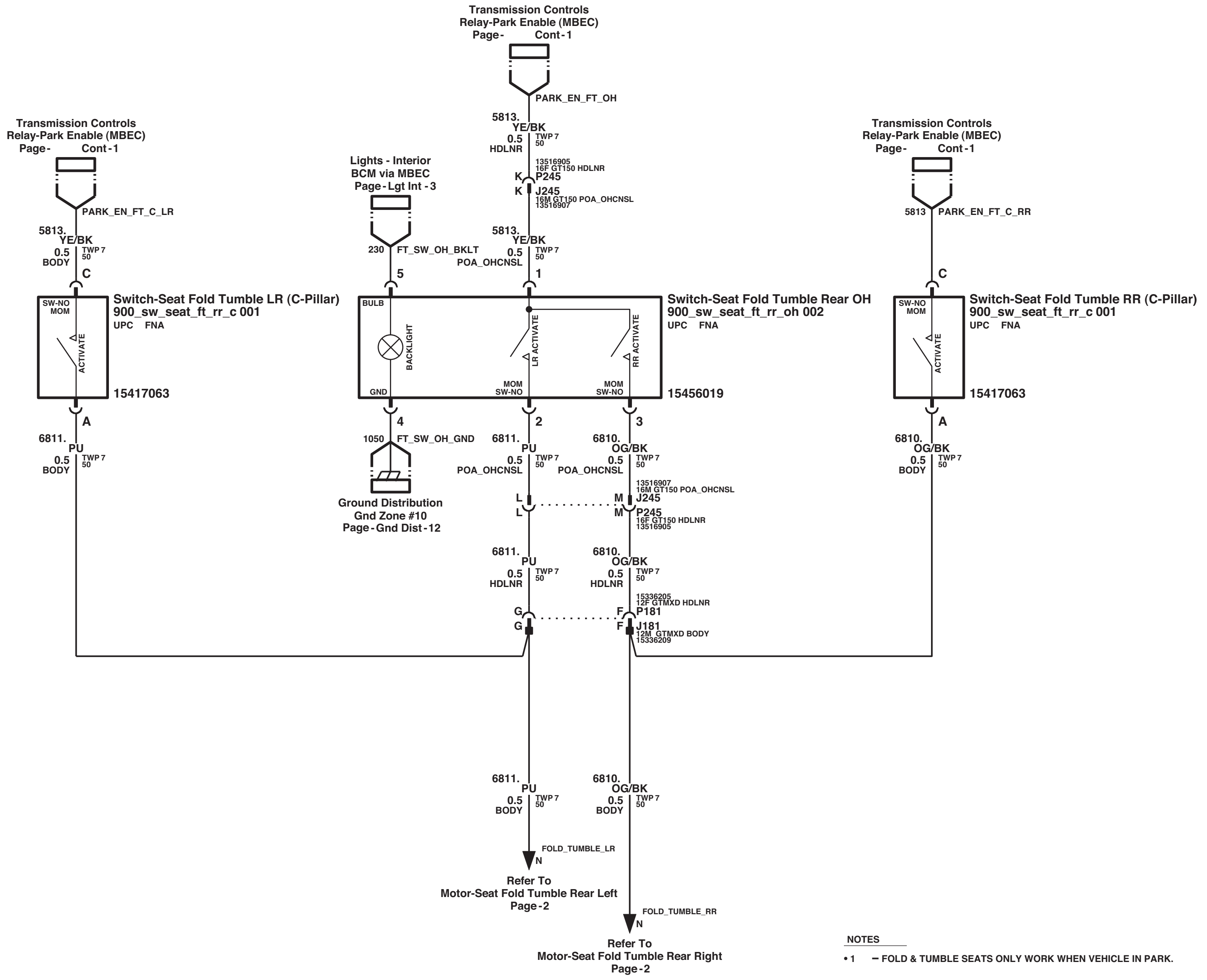
GM Proprietary

Positioning/Comfort: Power Passenger Seat – Hybrid


Power Distribution
CIRCUIT BREAKER - PSEAT 1 (MBEC)
Page- Pwr Dist-20
25A
PSTSW_HYB_BATT
1440.
-AN3
RD/WH
3.0
TWP 19
50
POA_PSEAT
D
SRC
Switch-Seat Position 6-Way Pass
900_sw_seat_6way_pass 001
UPC FNA
1
HRZ_FWD
HRZ_RWD
FRT_UP
FRT_DN
RR_UP
RR_DN
GND
MOM SW-NO
15326924
B
C
F
H
A
G
E
296.
TN
290.
L-GN
297.
D-GN
298.
D-BU
288.
YE
289.
L-BU
POA_PSEAT
Motor-Seat
900_hyb_mtr_seat_tri
UPC FNA 001
1
2
MOTOR W/PTC
M
HORIZ
FRT VRT
RR VERT
15324915
1250
HYB_PSTSW6_GND
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-16

Positioning/Comfort: Power Passenger Seat -Hybrid REVISION STAGE VERSION LAST CHANGED BY 8:58:38 am ORGANIZATION USAGE
Released 08 GMT900 1_08_pc_st_pwr_pas_hyb 001 X 0 GMT900 &HP2 **GM Proprietary**
Panel Set: 1 of 1 schematic sheet1 11 $IVEDWORK/1_08_pc_st_pwr_pas_hyb__001 Tuesday, January 24, 2006

Positioning/Comfort: Power Fold & Tumble 2nd Row Seats


Transmission Controls
Relay-Park Enable (MBEC)
Page- Cont-1
PARK_EN_FT_OH
5813.
YE/BK
0.5 HDLNR
TWP 7 50
13516905
16F GT150 HDLNR
K P245
K J245
16M GT150 POA_OHCNSL
13516907
Transmission Controls
Relay-Park Enable (MBEC)
Page- Cont-1
PARK_EN_FT_C_LR
5813.
YE/BK
0.5 BODY
TWP 7 50
C
Lights - Interior
BCM via MBEC
Page-Lgt Int-3
230 FT_SW_OH_BKLT
5
5813.
YE/BK
0.5 POA_OHCNSL
TWP 7 50
1
Transmission Controls
Relay-Park Enable (MBEC)
Page- Cont-1
5813 PARK_EN_FT_C_RR
C
Switch-Seat Fold Tumble LR (C-Pillar)
900_sw_seat_ft_rr_c 001
UPC FNA
SW-NO MOM
ACTIVATE
15417063
BULB
BACKLIGHT
LR ACTIVATE
RR ACTIVATE
GND
MOM SW-NO
MOM SW-NO
Switch-Seat Fold Tumble Rear OH
900_sw_seat_ft_rr_oh 002
UPC FNA
15456019
Switch-Seat Fold Tumble RR (C-Pillar)
900_sw_seat_ft_rr_c 001
UPC FNA
SW-NO MOM
ACTIVATE
15417063
A
6811.
PU
0.5 BODY
TWP 7 50
4
1050 FT_SW_OH_GND
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-12
2
6811.
PU
0.5 POA_OHCNSL
TWP 7 50
3
6810.
OG/BK
0.5 POA_OHCNSL
TWP 7 50
A
6810.
OG/BK
0.5 BODY
TWP 7 50
13516907
16M GT150 POA_OHCNSL
L M J245
L M P245
16F GT150 HDLNR
13516905
6811.
PU
0.5 HDLNR
TWP 7 50
6810.
OG/BK
0.5 HDLNR
TWP 7 50
15336205
12F GTMXD HDLNR
G F P181
G F J181
12M GTMXD BODY
15336209
6811.
PU
0.5 BODY
TWP 7 50
6810.
OG/BK
0.5 BODY
TWP 7 50
FOLD_TUMBLE_LR
N
Refer To
Motor-Seat Fold Tumble Rear Left
Page-2
FOLD_TUMBLE_RR
N
Refer To
Motor-Seat Fold Tumble Rear Right
Page-2

NOTES

- 1 – FOLD & TUMBLE SEATS ONLY WORK WHEN VEHICLE IN PARK.

ARE16423
003
GMT900
GM Proprietary

Friday, August 4, 2006
11:23:12 am 4
IEC/ESI

Positioning/Comfort: Power Fold & Tumble 2nd Row Seats

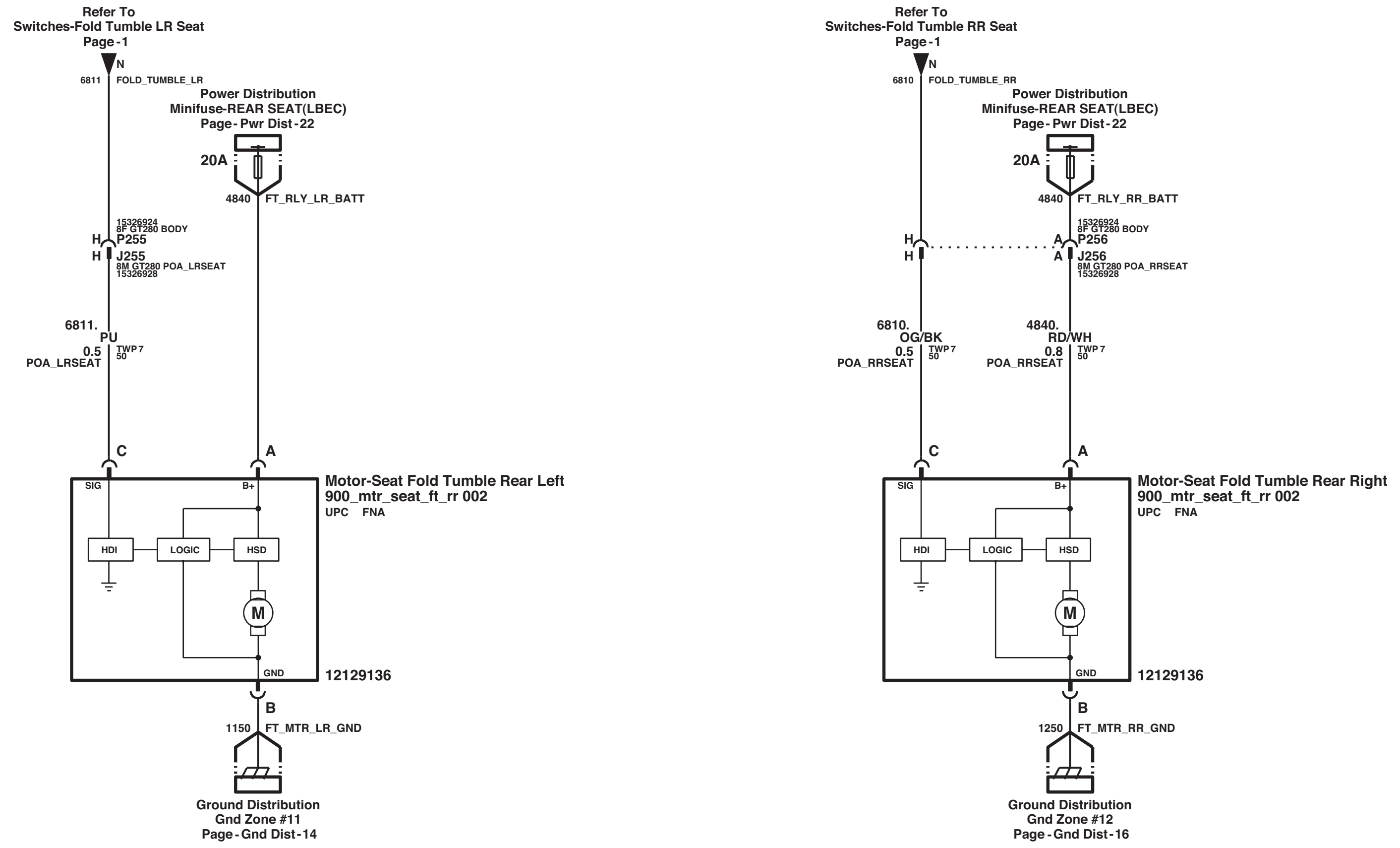
1_08_pc_st_pwr_rr_ft Panel 1 of 2

&ARS

2008
GMT900

System Status: Object Status:

Positioning/Comfort: Power Fold & Tumble 2nd Row Seats


Refer To
Switches-Fold Tumble LR Seat
Page - 1
N
6811 FOLD_TUMBLE_LR
Power Distribution
Minifuse-REAR SEAT(LBEC)
Page - Pwr Dist - 22
20A
4840 FT_RLY_LR_BATT
15326924
8F GT280 BODY
H P255
H J255
8M GT280 POA_LRSEAT
15326928
6811.
PU
0.5
TWP 7
50
POA_LRSEAT
C
A
SIG
B+
HDI
LOGIC
HSD
M
GND
Motor-Seat Fold Tumble Rear Left
900_mtr_seat_ft_rr 002
UPC FNA
12129136
B
1150 FT_MTR_LR_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
Refer To
Switches-Fold Tumble RR Seat
Page - 1
N
6810 FOLD_TUMBLE_RR
Power Distribution
Minifuse-REAR SEAT(LBEC)
Page - Pwr Dist - 22
20A
4840 FT_RLY_RR_BATT
15326924
8F GT280 BODY
H A P256
H A J256
8M GT280 POA_RRSEAT
15326928
6810.
OG/BK
0.5
TWP 7
50
POA_RRSEAT
4840.
RD/WH
0.8
TWP 7
50
POA_RRSEAT
C
A
SIG
B+
HDI
LOGIC
HSD
M
GND
Motor-Seat Fold Tumble Rear Right
900_mtr_seat_ft_rr 002
UPC FNA
12129136
B
1250 FT_MTR_RR_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 16

NOTES

- 1 – FOLD & TUMBLE SEATS ONLY WORK WHEN VEHICLE IN PARK.

ARE16423
003
GMT900
GM Proprietary

Friday, August 4, 2006
11:23:12 am 4
IEC/ESI

Positioning/Comfort: Power Fold & Tumble 2nd Row Seats

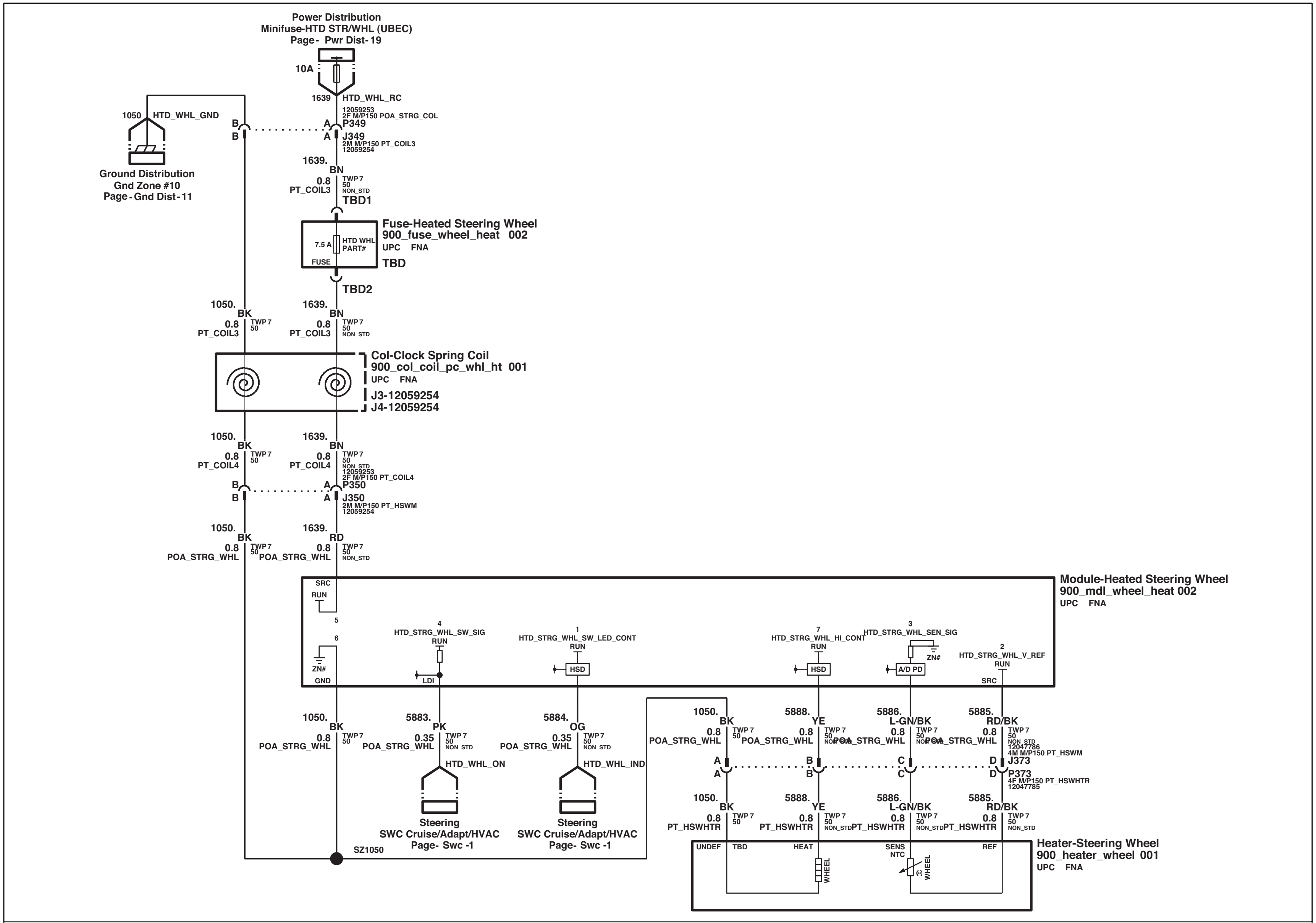
1_08_pc_st_pwr_rr_ft Panel 2 of 2

&ARS

2008
GMT900

System Status: Object Status:

Positioning/Comfort: Heated Steering Wheel


Power Distribution
Minifuse-HTD STR/WHL (UBEC)
Page- Pwr Dist-19
10A
1639 HTD_WHL_RC
1050 HTD_WHL_GND
12059253
2F M/P150 POA_STRG_COL
P349
J349
2M M/P150 PT_COIL3
12059254
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-11
1639.
BN
0.8
PT_COIL3
TWP7
50
NON_STD
TBD1
Fuse-Heated Steering Wheel
900_fuse_wheel_heat 002
UPC FNA
TBD
7.5 A
HTD WHL
PART#
FUSE
TBD2
1050.
BK
Col-Clock Spring Coil
900_col_coil_pc_whl_ht 001
UPC FNA
J3-12059254
J4-12059254
PT_COIL4
P350
2F M/P150 PT_COIL4
J350
2M M/P150 PT_HSWM
RD
POA_STRG_WHL
Module-Heated Steering Wheel
900_mdl_wheel_heat 002
UPC FNA
SRC
RUN
ZN#
GND
HTD_STRG_WHL_SW_SIG
LDI
HTD_STRG_WHL_SW_LED_CONT
HSD
HTD_STRG_WHL_HI_CONT
HTD_STRG_WHL_SEN_SIG
A/D PD
HTD_STRG_WHL_V_REF
5883.
PK
0.35
5884.
OG
HTD_WHL_ON
HTD_WHL_IND
Steering
SWC Cruise/Adapt/HVAC
Page- Swc -1
SZ1050
5888.
YE
5886.
L-GN/BK
5885.
RD/BK
12047786
4M M/P150 PT_HSWM
J373
P373
4F M/P150 PT_HSWHTR
12047785
PT_HSWHTR
Heater-Steering Wheel
900_heater_wheel 001
UPC FNA
UNDEF
HEAT
SENS
NTC
REF
WHEEL

ARE16424
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
8:59:34 am 3
IEC/ESI

Positioning/Comfort: Heated Steering Wheel

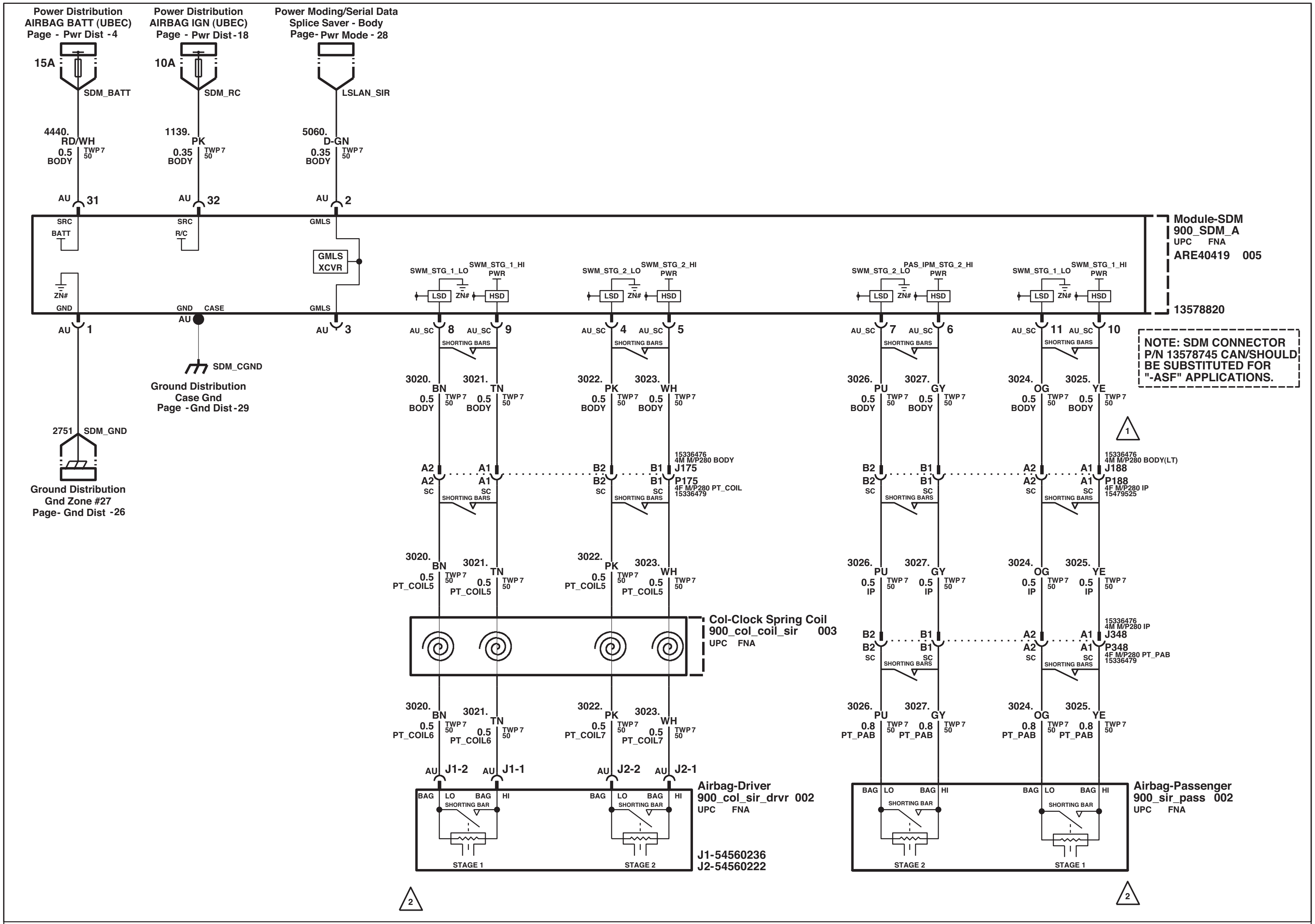
1_08_pc_whl_htd Panel 1 of 1

&KA9

2008
GMT900
IVER

System Status: Object Status:

Protection: SIR Utility


Power Distribution AIRBAG BATT (UBEC) Page - Pwr Dist -4
Power Distribution AIRBAG IGN (UBEC) Page - Pwr Dist -18
Power Moding/Serial Data Splice Saver - Body Page- Pwr Mode - 28
15A
10A
SDM_BATT
SDM_RC
LSLAN_SIR
4440. RD/WH 0.5 BODY TWP 7 50
1139. PK 0.35 BODY TWP 7 50
5060. D-GN 0.35 BODY TWP 7 50
AU 31
AU 32
AU 2
SRC BATT
SRC R/C
GMLS
GMLS XCVR
ZN#
GND
GND CASE
GMLS
SWM_STG_1_LO
SWM_STG_1_HI PWR
SWM_STG_2_LO
SWM_STG_2_HI PWR
PAS_IPM_STG_2_HI PWR
LSD
ZN#
HSD
Module-SDM
900_SDM_A
UPC FNA
ARE40419 005
13578820
AU 1
AU
AU 3
AU_SC 8
AU_SC 9
AU_SC 4
AU_SC 5
AU_SC 7
AU_SC 6
AU_SC 11
AU_SC 10
SHORTING BARS
NOTE: SDM CONNECTOR P/N 13578745 CAN/SHOULD BE SUBSTITUTED FOR "-ASF" APPLICATIONS.
SDM_CGND
Ground Distribution Case Gnd Page -Gnd Dist -29
2751 SDM_GND
Ground Distribution Gnd Zone #27 Page- Gnd Dist -26
3020. BN 0.5 BODY TWP 7 50
3021. TN 0.5 BODY TWP 7 50
3022. PK 0.5 BODY TWP 7 50
3023. WH 0.5 BODY TWP 7 50
3026. PU 0.5 BODY TWP 7 50
3027. GY 0.5 BODY TWP 7 50
3024. OG 0.5 BODY TWP 7 50
3025. YE 0.5 BODY TWP 7 50
1
15336476 4M M/P280 BODY J175
B1 P175 4F M/P280 PT_COIL 15336479
15336476 4M M/P280 BODY(LT) J188
A1 P188 4F M/P280 IP 15479525
A2 A1 B2 B1
SC
3020. BN 0.5 PT_COIL5 TWP 7 50
3021. TN 0.5 PT_COIL5 TWP 7 50
3022. PK 0.5 PT_COIL5 TWP 7 50
3023. WH 0.5 PT_COIL5 TWP 7 50
3026. PU 0.5 IP TWP 7 50
3027. GY 0.5 IP TWP 7 50
3024. OG 0.5 IP TWP 7 50
3025. YE 0.5 IP TWP 7 50
Col-Clock Spring Coil
900_col_coil_sir 003
UPC FNA
15336476 4M M/P280 IP J348
P348 4F M/P280 PT_PAB 15336479
3020. BN 0.5 PT_COIL6 TWP 7 50
3021. TN 0.5 PT_COIL6 TWP 7 50
3022. PK 0.5 PT_COIL7 TWP 7 50
3023. WH 0.5 PT_COIL7 TWP 7 50
3026. PU 0.8 PT_PAB TWP 7 50
3027. GY 0.8 PT_PAB TWP 7 50
3024. OG 0.8 PT_PAB TWP 7 50
3025. YE 0.8 PT_PAB TWP 7 50
AU J1-2
AU J1-1
AU J2-2
AU J2-1
BAG LO
BAG HI
SHORTING BAR
STAGE 1
STAGE 2
Airbag-Driver
900_col_sir_drvr 002
UPC FNA
J1-54560236
J2-54560222
Airbag-Passenger
900_sir_pass 002
UPC FNA
2

ARE16426
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:50:02 am 9
IEC/ESI

Protection: SIR Utility

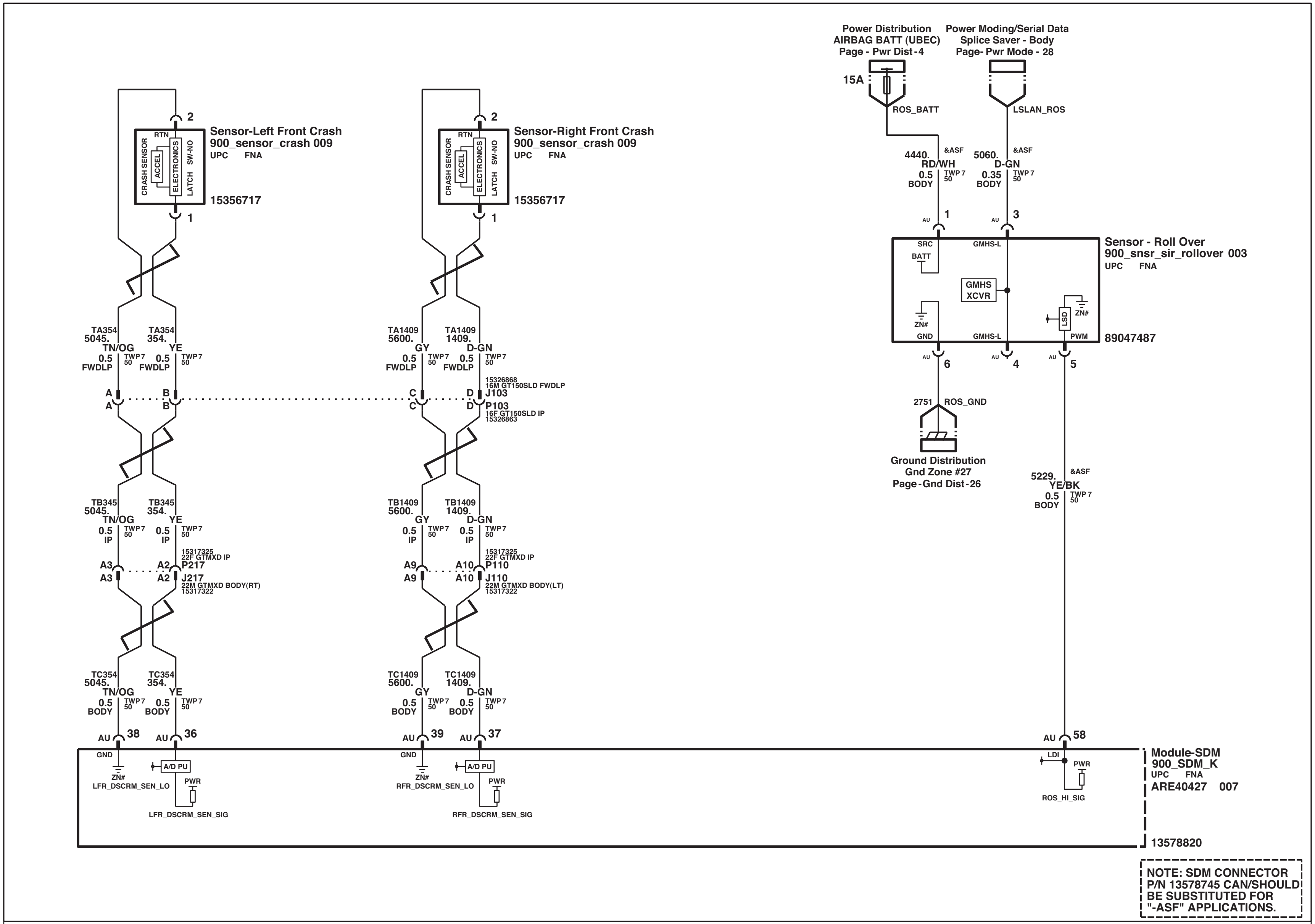
1_08_prot_sir Panel 1 of 7

&06/36

2008
GMT900
IVER

System Status: Object Status:

Protection: SIR Utility


Power Distribution
AIRBAG BATT (UBEC)
Page - Pwr Dist - 4
Power Moding/Serial Data
Splice Saver - Body
Page- Pwr Mode - 28
15A
ROS_BATT
LSLAN_ROS
4440.
&ASF
RD/WH
0.5
TWP 7 50
BODY
5060.
&ASF
D-GN
0.35
TWP 7 50
BODY
AU 1
AU 3
Sensor - Roll Over
900_snsr_sir_rollover 003
UPC FNA
SRC
BATT
GMHS-L
GMHS XCVR
ZN#
LSD
GND
GMHS-L
PWM
89047487
AU 6
AU 4
AU 5
2751
ROS_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 26
5229.
&ASF
YE/BK
0.5
TWP 7 50
BODY
2
Sensor-Left Front Crash
900_sensor_crash 009
UPC FNA
CRASH SENSOR
ACCEL
RTN
ELECTRONICS
LATCH
SW-NO
15356717
1
2
Sensor-Right Front Crash
900_sensor_crash 009
UPC FNA
15356717
1
TA354 5045. TN/OG 0.5 TWP 7 50 FWDLP
TA354 354. YE 0.5 TWP 7 50 FWDLP
TA1409 5600. GY 0.5 TWP 7 50 FWDLP
TA1409 1409. D-GN 0.5 TWP 7 50 FWDLP
A A
B B
C C
D D
15326868
16M GT150SLD FWDLP
J103
P103
16F GT150SLD IP
15326863
TB345 5045. TN/OG 0.5 TWP 7 50 IP
TB345 354. YE 0.5 TWP 7 50 IP
TB1409 5600. GY 0.5 TWP 7 50 IP
TB1409 1409. D-GN 0.5 TWP 7 50 IP
15317325
22F GTMXD IP
A3 A3
A2 A2
P217
J217
22M GTMXD BODY(RT)
15317322
A9 A9
A10 A10
15317325
22F GTMXD IP
P110
J110
22M GTMXD BODY(LT)
15317322
TC354 5045. TN/OG 0.5 TWP 7 50 BODY
TC354 354. YE 0.5 TWP 7 50 BODY
TC1409 5600. GY 0.5 TWP 7 50 BODY
TC1409 1409. D-GN 0.5 TWP 7 50 BODY
AU 38
AU 36
AU 39
AU 37
AU 58
GND
ZN#
LFR_DSCRM_SEN_LO
A/D PU
PWR
LFR_DSCRM_SEN_SIG
GND
ZN#
RFR_DSCRM_SEN_LO
A/D PU
PWR
RFR_DSCRM_SEN_SIG
LDI
PWR
ROS_HI_SIG
Module-SDM
900_SDM_K
UPC FNA
ARE40427 007
13578820

NOTE: SDM CONNECTOR
P/N 13578745 CAN/SHOULD
BE SUBSTITUTED FOR
"-ASF" APPLICATIONS.

ARE16426
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:50:02 am 9
IEC/ESI

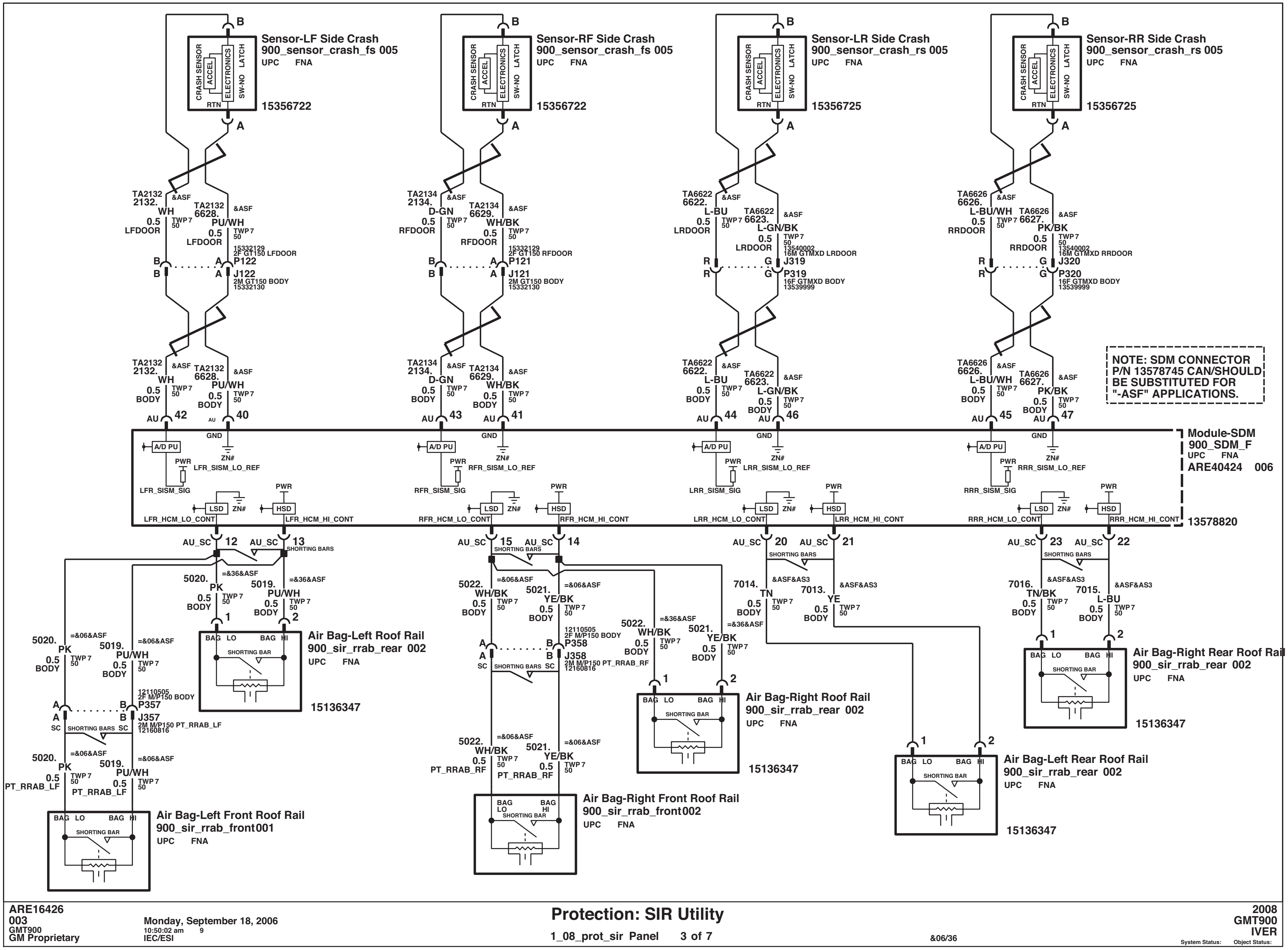
Protection: SIR Utility

1_08_prot_sir Panel 2 of 7

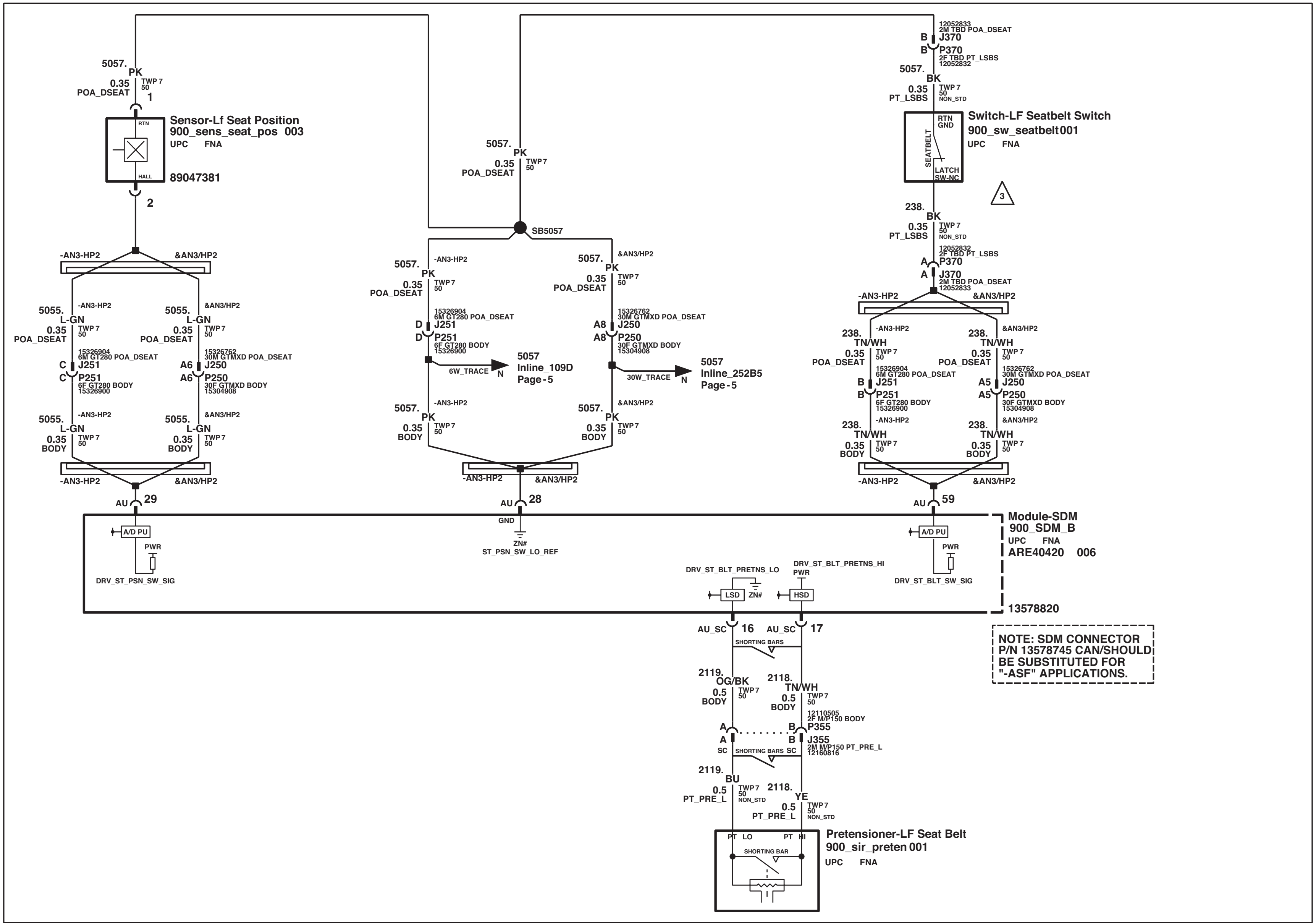
&06/36

2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Utility


Sensor-LF Side Crash
900_sensor_crash_fs 005
UPC FNA
15356722
Sensor-RF Side Crash
900_sensor_crash_fs 005
UPC FNA
15356722
Sensor-LR Side Crash
900_sensor_crash_rs 005
UPC FNA
15356725
Sensor-RR Side Crash
900_sensor_crash_rs 005
UPC FNA
15356725
CRASH SENSOR
ACCEL
ELECTRONICS
SW-NO LATCH
RTN
B
A
TA2132 2132. WH 0.5 LFDOOR
TA2132 6628. PU/WH 0.5 LFDOOR
TA2134 2134. D-GN 0.5 RFDOOR
TA2134 6629. WH/BK 0.5 RFDOOR
TA6622 6622. L-BU 0.5 LRDOOR
TA6622 6623. L-GN/BK 0.5 LRDOOR
TA6626 6626. L-BU/WH 0.5 RRDOOR
TA6626 6627. PK/BK 0.5 RRDOOR
&ASF
TWP 7 50
15332129 2F GT150 LFDOOR
P122
J122 2M GT150 BODY 15332130
15332129 2F GT150 RFDOOR
P121
J121 2M GT150 BODY 15332130
13540002 16M GTMXD LRDOOR
J319
P319 16F GTMXD BODY 13539999
13540002 16M GTMXD RRDOOR
J320
P320 16F GTMXD BODY 13539999
NOTE: SDM CONNECTOR P/N 13578745 CAN/SHOULD BE SUBSTITUTED FOR "-ASF" APPLICATIONS.
AU 42
AU 40
AU 43
AU 41
AU 44
AU 46
AU 45
AU 47
GND
ZN#
A/D PU
PWR
LFR_SISM_LO_REF
LFR_SISM_SIG
RFR_SISM_LO_REF
RFR_SISM_SIG
LRR_SISM_LO_REF
LRR_SISM_SIG
RRR_SISM_LO_REF
RRR_SISM_SIG
LSD
HSD
LFR_HCM_LO_CONT
LFR_HCM_HI_CONT
RFR_HCM_LO_CONT
RFR_HCM_HI_CONT
LRR_HCM_LO_CONT
LRR_HCM_HI_CONT
RRR_HCM_LO_CONT
RRR_HCM_HI_CONT
Module-SDM
900_SDM_F
UPC FNA
ARE40424 006
13578820
AU_SC 12
AU_SC 13
AU_SC 15
AU_SC 14
AU_SC 20
AU_SC 21
AU_SC 23
AU_SC 22
SHORTING BARS
5020. PK 0.5 BODY =&36&ASF
5019. PU/WH 0.5 BODY =&36&ASF
Air Bag-Left Roof Rail
900_sir_rrab_rear 002
UPC FNA
15136347
BAG LO
BAG HI
SHORTING BAR
5020. PK 0.5 BODY =&06&ASF
5019. PU/WH 0.5 BODY =&06&ASF
12110505 2F M/P150 BODY
P357
J357 2M M/P150 PT_RRAB_LF 12160816
SC
5020. PK 0.5 PT_RRAB_LF
5019. PU/WH 0.5 PT_RRAB_LF
Air Bag-Left Front Roof Rail
900_sir_rrab_front001
UPC FNA
5022. WH/BK 0.5 BODY =&06&ASF
5021. YE/BK 0.5 BODY =&06&ASF
12110505 2F M/P150 BODY
P358
J358 2M M/P150 PT_RRAB_RF 12160816
5022. WH/BK 0.5 BODY =&36&ASF
5021. YE/BK 0.5 BODY =&36&ASF
Air Bag-Right Roof Rail
900_sir_rrab_rear 002
UPC FNA
15136347
5022. WH/BK 0.5 PT_RRAB_RF
5021. YE/BK 0.5 PT_RRAB_RF
Air Bag-Right Front Roof Rail
900_sir_rrab_front002
UPC FNA
7014. TN 0.5 BODY &ASF&AS3
7013. YE 0.5 BODY &ASF&AS3
Air Bag-Left Rear Roof Rail
900_sir_rrab_rear 002
UPC FNA
15136347
7016. TN/BK 0.5 BODY &ASF&AS3
7015. L-BU 0.5 BODY &ASF&AS3
Air Bag-Right Rear Roof Rail
900_sir_rrab_rear 002
UPC FNA
15136347
ARE16426
003
GMT900
GM Proprietary
Monday, September 18, 2006
10:50:02 am 9
IEC/ESI
Protection: SIR Utility
1_08_prot_sir Panel 3 of 7
&06/36
2008
GMT900
IVER
System Status:
Object Status:

Protection: SIR Utility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1
Sensor-Lf Seat Position
900_sens_seat_pos 003
UPC FNA
RTN
HALL
89047381
2
-AN3-HP2
&AN3/HP2
5055. L-GN 0.35 POA_DSEAT TWP 7 50
C J251 15326904 6M GT280 POA_DSEAT
C P251 6F GT280 BODY 15326900
A6 J250 15326762 30M GTMXD POA_DSEAT
A6 P250 30F GTMXD BODY 15304908
5055. L-GN 0.35 BODY TWP 7 50
AU 29
A/D PU
PWR
DRV_ST_PSN_SW_SIG
SB5057
5057. PK 0.35 POA_DSEAT TWP 7 50
D J251 15326904 6M GT280 POA_DSEAT
D P251 6F GT280 BODY 15326900
A8 J250 15326762 30M GTMXD POA_DSEAT
A8 P250 30F GTMXD BODY 15304908
6W_TRACE N
5057 Inline_109D Page - 5
30W_TRACE N
5057 Inline_252B5 Page - 5
5057. PK 0.35 BODY TWP 7 50
AU 28
GND
ZN#
ST_PSN_SW_LO_REF
B J370 12052833 2M TBD POA_DSEAT
B P370 2F TBD PT_LSBS 12052832
5057. BK 0.35 PT_LSBS TWP 7 50 NON_STD
Switch-LF Seatbelt Switch
900_sw_seatbelt 001
UPC FNA
RTN GND
SEATBELT
LATCH SW-NC
3
238. BK 0.35 PT_LSBS TWP 7 50 NON_STD
A P370 12052832 2F TBD PT_LSBS
A J370 2M TBD POA_DSEAT 12052833
238. TN/WH 0.35 POA_DSEAT TWP 7 50
B J251 15326904 6M GT280 POA_DSEAT
B P251 6F GT280 BODY 15326900
A5 J250 15326762 30M GTMXD POA_DSEAT
A5 P250 30F GTMXD BODY 15304908
238. TN/WH 0.35 BODY TWP 7 50
AU 59
A/D PU
PWR
DRV_ST_BLT_SW_SIG
Module-SDM
900_SDM_B
UPC FNA
ARE40420 006
13578820
DRV_ST_BLT_PRETNS_LO
LSD ZN#
DRV_ST_BLT_PRETNS_HI
PWR
HSD
AU_SC 16
AU_SC 17
SHORTING BARS
2119. OG/BK 0.5 BODY TWP 7 50
2118. TN/WH 0.5 BODY TWP 7 50
B P355 12110505 2F M/P150 BODY
A A
B J355 2M M/P150 PT_PRE_L 12160816
SC SHORTING BARS SC
2119. BU 0.5 PT_PRE_L TWP 7 50 NON_STD
2118. YE 0.5 PT_PRE_L TWP 7 50 NON_STD
PT LO
PT HI
SHORTING BAR
Pretensioner-LF Seat Belt
900_sir_preten 001
UPC FNA

NOTE: SDM CONNECTOR P/N 13578745 CAN/SHOULD BE SUBSTITUTED FOR "-ASF" APPLICATIONS.

ARE16426
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:50:02 am 9
IEC/ESI

Protection: SIR Utility
1_08_prot_sir Panel 4 of 7

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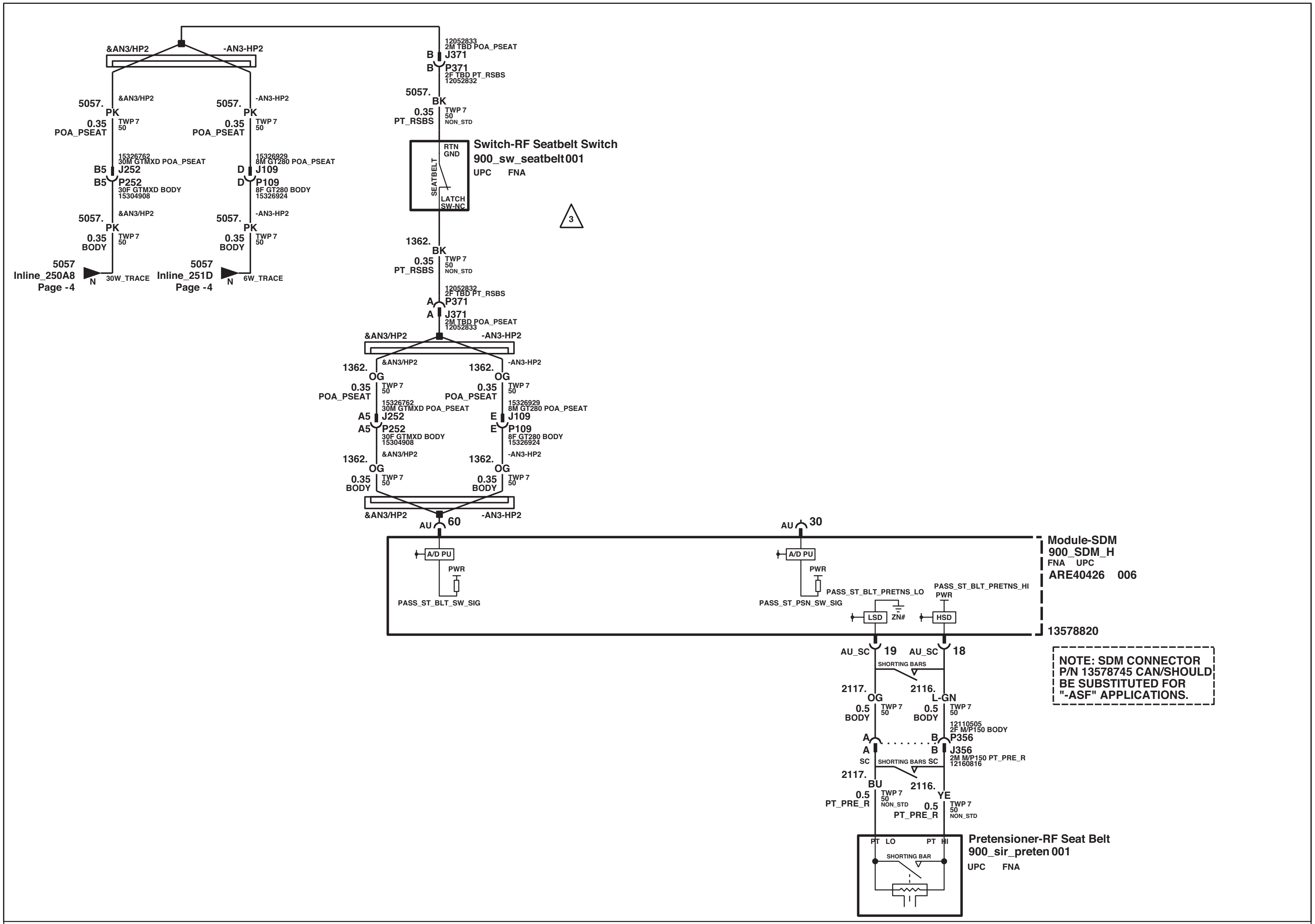
2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Utility



&AN3/HP2
-AN3-HP2
5057.
PK
0.35
POA_PSEAT
TWP 7
50
15326762
30M GTMXD POA_PSEAT
B5
J252
P252
30F GTMXD BODY
15304908
15326929
8M GT280 POA_PSEAT
D
J109
P109
8F GT280 BODY
15326924
BODY
5057
Inline_250A8
Page -4
N
30W_TRACE
Inline_251D
6W_TRACE
12052833
2M TBD POA_PSEAT
B
J371
P371
2F TBD PT_RSBS
12052832
BK
PT_RSBS
NON_STD
RTN
GND
SEATBELT
LATCH
SW-NC
Switch-RF Seatbelt Switch
900_sw_seatbelt 001
UPC FNA
3
1362.
A
OG
A5
E
AU
60
30
A/D PU
PWR
PASS_ST_BLT_SW_SIG
PASS_ST_PSN_SW_SIG
PASS_ST_BLT_PRETNS_LO
PASS_ST_BLT_PRETNS_HI
LSD
ZN#
HSD
Module-SDM
900_SDM_H
FNA UPC
ARE40426 006
13578820
AU_SC
19
18
SHORTING BARS
2117.
2116.
L-GN
0.5
12110505
2F M/P150 BODY
P356
J356
2M M/P150 PT_PRE_R
12160816
SC
BU
YE
PT_PRE_R
PT LO
PT HI
SHORTING BAR
Pretensioner-RF Seat Belt
900_sir_preten 001
UPC FNA
NOTE: SDM CONNECTOR P/N 13578745 CAN/SHOULD BE SUBSTITUTED FOR "-ASF" APPLICATIONS.

ARE16426
003
GMT900
GM Proprietary

Monday, September 18, 2006
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IEC/ESI

Protection: SIR Utility

1_08_prot_sir Panel 5 of 7

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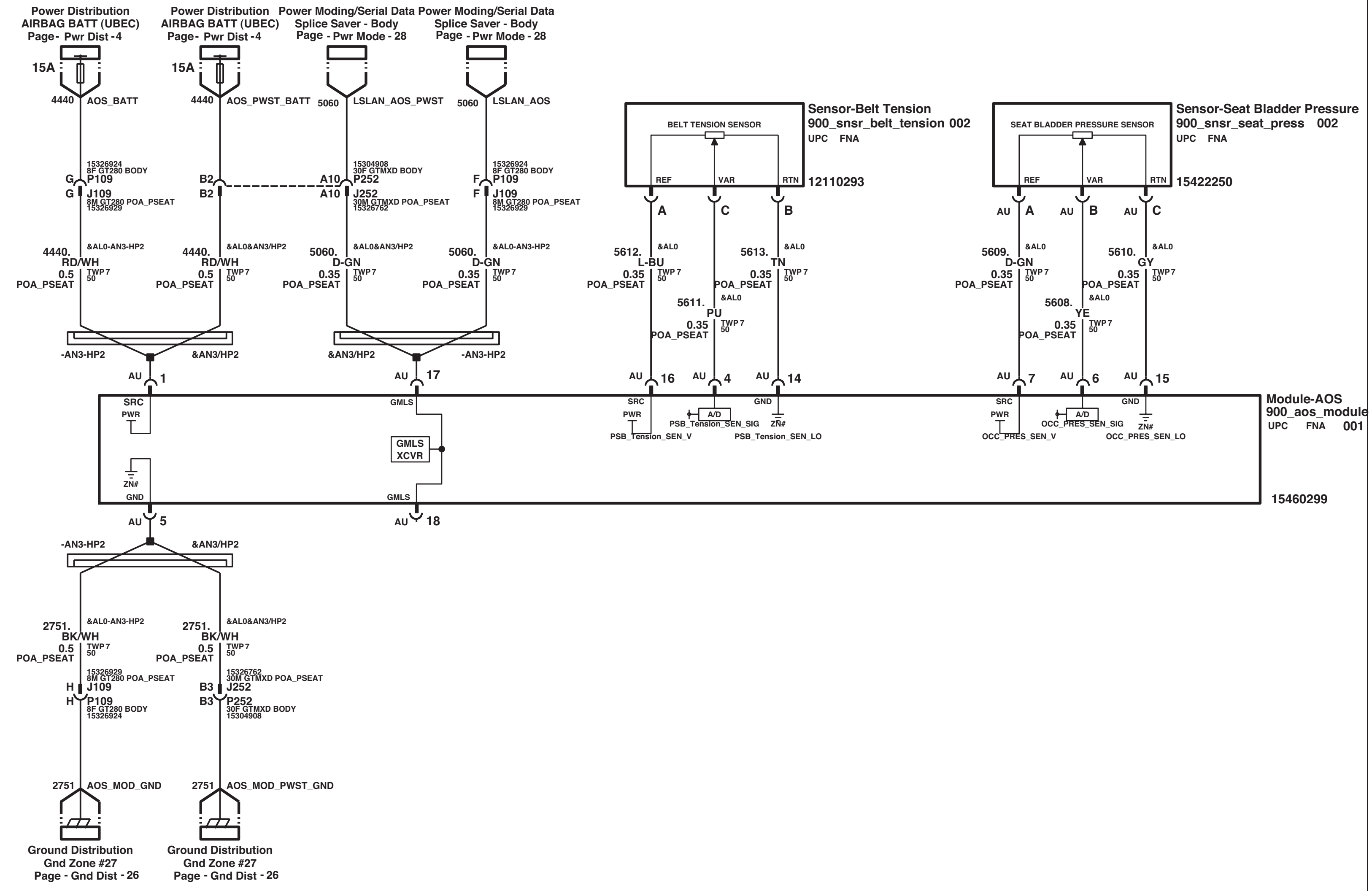
2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Utility



Power Distribution
AIRBAG BATT (UBEC)
Page- Pwr Dist -4
Power Distribution
AIRBAG BATT (UBEC)
Page- Pwr Dist -4
Power Moding/Serial Data
Splice Saver - Body
Page - Pwr Mode - 28
Power Moding/Serial Data
Splice Saver - Body
Page - Pwr Mode - 28
15A
15A
4440 AOS_BATT
4440 AOS_PWST_BATT
5060 LSLAN_AOS_PWST
5060 LSLAN_AOS
15326924 8F GT280 BODY
G P109
G J109
8M GT280 POA_PSEAT 15326929
B2
B2
15304908 30F GTMXD BODY
A10 P252
A10 J252
30M GTMXD POA_PSEAT 15326762
15326924 8F GT280 BODY
F P109
F J109
8M GT280 POA_PSEAT 15326929
4440. RD/WH 0.5 POA_PSEAT &AL0-AN3-HP2 TWP 7 50
4440. RD/WH 0.5 POA_PSEAT &AL0&AN3/HP2 TWP 7 50
5060. D-GN 0.35 POA_PSEAT &AL0&AN3/HP2 TWP 7 50
5060. D-GN 0.35 POA_PSEAT &AL0-AN3-HP2 TWP 7 50
-AN3-HP2
&AN3/HP2
&AN3/HP2
-AN3-HP2
Sensor-Belt Tension
900_snsr_belt_tension 002
UPC FNA
BELT TENSION SENSOR
REF VAR RTN
12110293
A C B
5612. L-BU 0.35 POA_PSEAT &AL0 TWP 7 50
5613. TN 0.35 POA_PSEAT &AL0 TWP 7 50
5611. PU 0.35 POA_PSEAT &AL0 TWP 7 50
Sensor-Seat Bladder Pressure
900_snsr_seat_press 002
UPC FNA
SEAT BLADDER PRESSURE SENSOR
REF VAR RTN
15422250
AU A AU B AU C
5609. D-GN 0.35 POA_PSEAT &AL0 TWP 7 50
5610. GY 0.35 POA_PSEAT &AL0 TWP 7 50
5608. YE 0.35 POA_PSEAT &AL0 TWP 7 50
AU 1
AU 17
AU 16
AU 4
AU 14
AU 7
AU 6
AU 15
SRC PWR
GMLS
GMLS XCVR
SRC PWR PSB_Tension_SEN_V
A/D PSB_Tension_SEN_SIG
GND ZN# PSB_Tension_SEN_LO
SRC PWR OCC_PRES_SEN_V
A/D OCC_PRES_SEN_SIG
GND ZN# OCC_PRES_SEN_LO
Module-AOS
900_aos_module
UPC FNA 001
ZN# GND
GMLS
15460299
AU 5
AU 18
-AN3-HP2
&AN3/HP2
2751. BK/WH 0.5 POA_PSEAT &AL0-AN3-HP2 TWP 7 50
2751. BK/WH 0.5 POA_PSEAT &AL0&AN3/HP2 TWP 7 50
15326929 8M GT280 POA_PSEAT
H J109
H P109
8F GT280 BODY 15326924
15326762 30M GTMXD POA_PSEAT
B3 J252
B3 P252
30F GTMXD BODY 15304908
2751 AOS_MOD_GND
2751 AOS_MOD_PWST_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 26
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 26

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003
GMT900
GM Proprietary

Monday, September 18, 2006
10:50:02 am 9
IEC/ESI

Protection: SIR Utility

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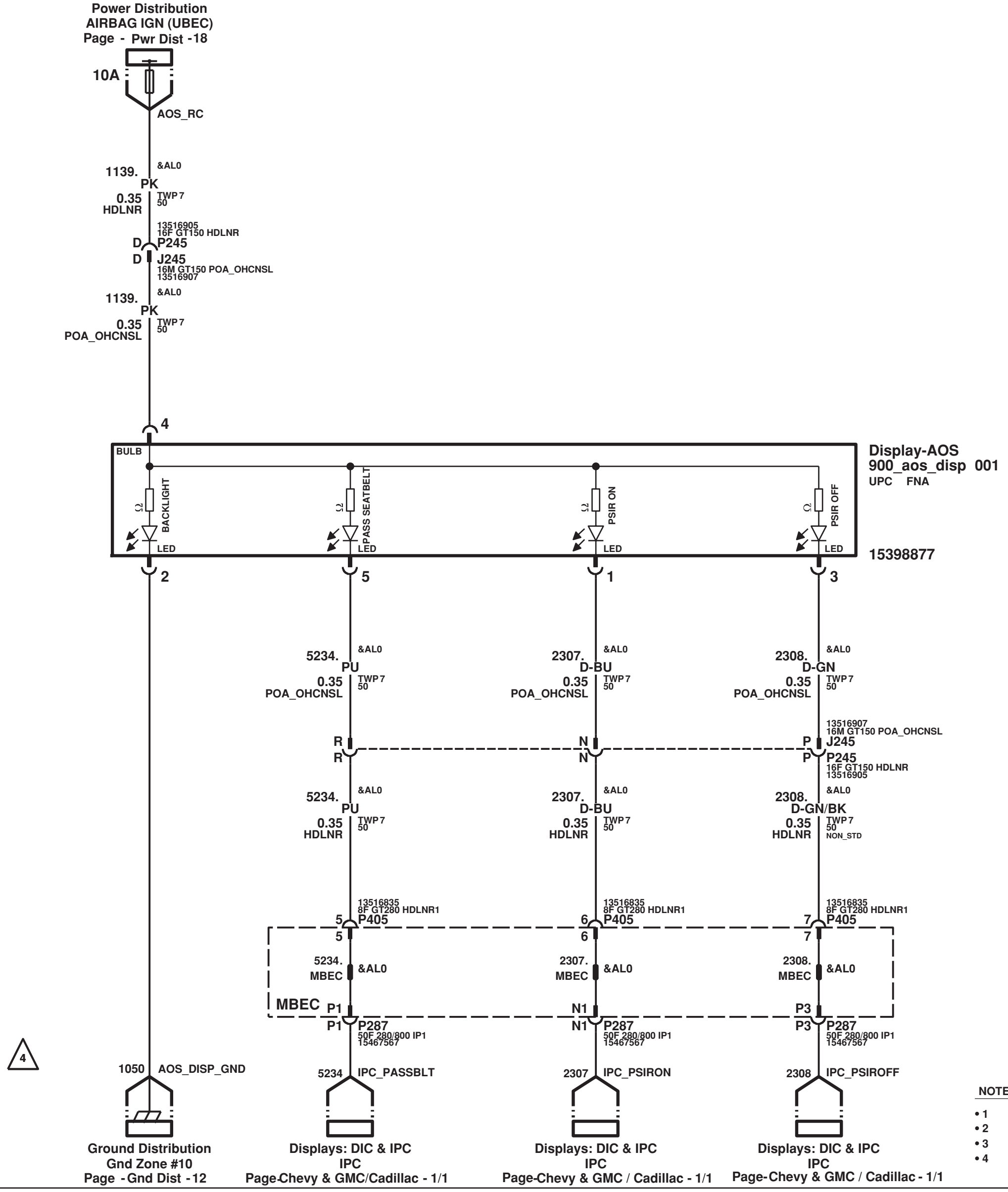
&06/36

2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Utility


Power Distribution
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Page - Pwr Dist -18
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AOS_RC
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13516905 16F GT150 HDLNR
D P245
D J245
16M GT150 POA_OHCNSL 13516907
1139. &AL0 PK 0.35 POA_OHCNSL TWP7 50
4
BULB
BACKLIGHT
PASS SEATBELT
PSIR ON
PSIR OFF
LED
Display-AOS
900_aos_disp 001
UPC FNA
15398877
2
5
1
3
5234. &AL0 PU 0.35 POA_OHCNSL TWP7 50
2307. &AL0 D-BU 0.35 POA_OHCNSL TWP7 50
2308. &AL0 D-GN 0.35 POA_OHCNSL TWP7 50
R R
N N
P J245 13516907 16M GT150 POA_OHCNSL
P P245 16F GT150 HDLNR 13516905
5234. &AL0 PU 0.35 HDLNR TWP7 50
2307. &AL0 D-BU 0.35 HDLNR TWP7 50
2308. &AL0 D-GN/BK 0.35 HDLNR TWP7 50 NON_STD
13516835 8F GT280 HDLNR1
5 P405 5
6 P405 6
7 P405 7
5234. MBEC &AL0
2307. MBEC &AL0
2308. MBEC &AL0
MBEC
P1 P1 P287 50F 280/800 IP1 15467567
N1 N1 P287 50F 280/800 IP1 15467567
P3 P3 P287 50F 280/800 IP1 15467567
4
1050 AOS_DISP_GND
5234 IPC_PASSBLT
2307 IPC_PSIRON
2308 IPC_PSIROFF
Ground Distribution
Gnd Zone #10
Page - Gnd Dist -12
Displays: DIC & IPC
IPC
Page-Chevy & GMC/Cadillac - 1/1
Displays: DIC & IPC
IPC
Page-Chevy & GMC / Cadillac - 1/1
Displays: DIC & IPC
IPC
Page-Chevy & GMC / Cadillac - 1/1

NOTES

- 1 – THE SDM SUPPORTS 8 ADDITIONAL DEPOLOYMENT LOOPS
- 2 – ALL SUV/UUVs HAVE DUAL STAGED AIRBAGS
- 3 – THE SEATBELT SWITCHES OPEN WHEN THE SEATBELTS ARE BUCKLED
- 4 – GND WIRE IS ON USA APPLICATIONS ONLY

ARE16426
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:50:02 am 9
IEC/ESI

Protection: SIR Utility

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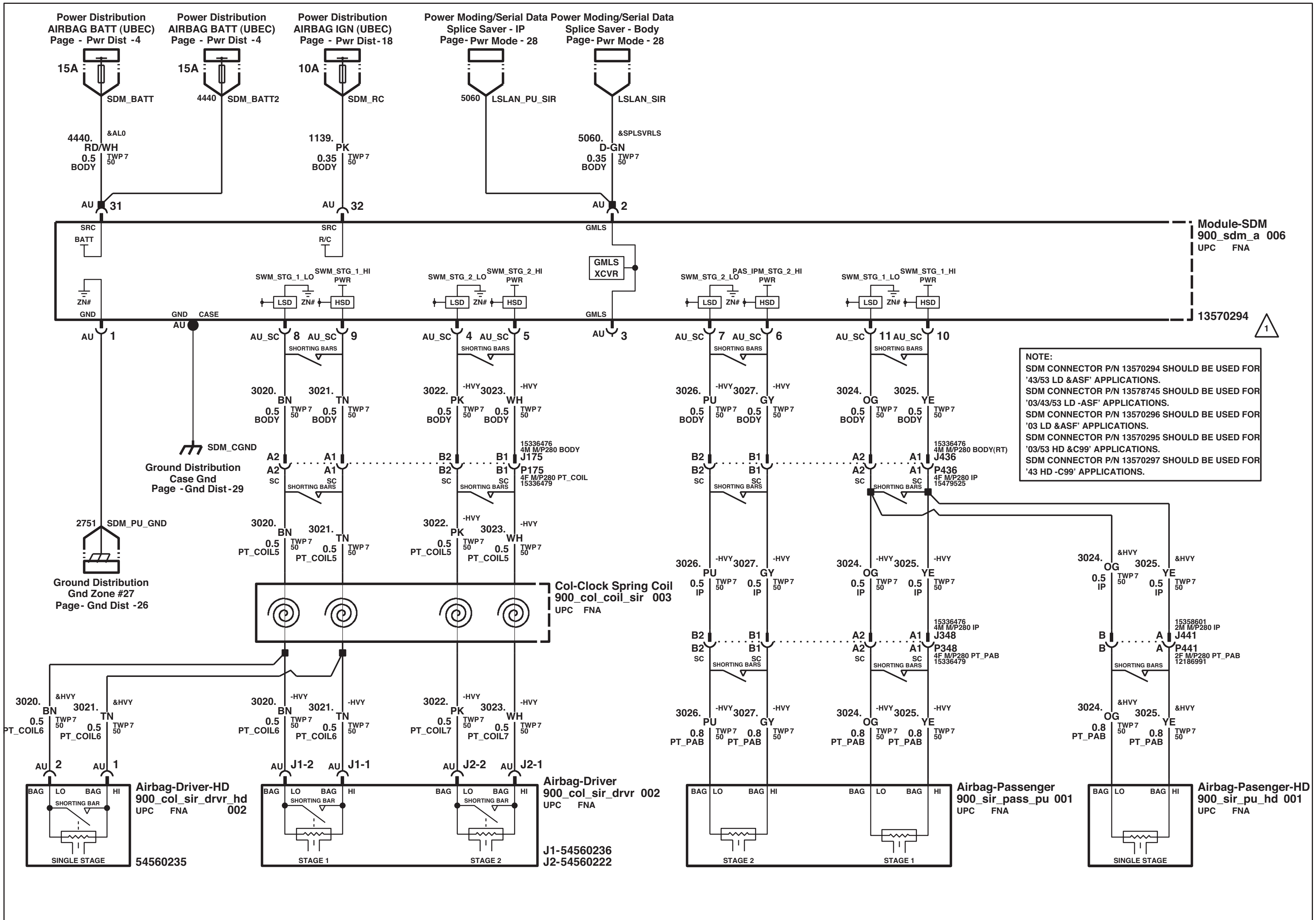
&06/36

2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Pickup


Power Distribution
AIRBAG BATT (UBEC)
Page - Pwr Dist -4
15A
SDM_BATT
Power Distribution
AIRBAG BATT (UBEC)
Page - Pwr Dist -4
15A
4440
SDM_BATT2
Power Distribution
AIRBAG IGN (UBEC)
Page - Pwr Dist-18
10A
SDM_RC
Power Moding/Serial Data
Splice Saver - IP
Page- Pwr Mode - 28
5060
LSLAN_PU_SIR
Power Moding/Serial Data
Splice Saver - Body
Page- Pwr Mode - 28
LSLAN_SIR
4440.
&AL0
RD/WH
0.5 TWP 7 50
BODY
1139.
PK
0.35 TWP 7 50
BODY
5060.
&SPLSVRLS
D-GN
0.35 TWP 7 50
BODY
AU 31
AU 32
AU 2
SRC
BATT
SRC
R/C
GMLS
GMLS XCVR
Module-SDM
900_sdm_a 006
UPC FNA
13570294
SWM_STG_1_LO
SWM_STG_1_HI PWR
SWM_STG_2_LO
SWM_STG_2_HI PWR
SWM_STG_2_LO
PAS_IPM_STG_2_HI PWR
SWM_STG_1_LO
SWM_STG_1_HI PWR
LSD
ZN#
HSD
ZN#
GND
GND CASE
AU
GMLS
AU 1
AU_SC 8 AU_SC 9
AU_SC 4 AU_SC 5
AU 3
AU_SC 7 AU_SC 6
AU_SC 11 AU_SC 10
SHORTING BARS
3020. BN 0.5 TWP 7 50 BODY
3021. TN 0.5 TWP 7 50 BODY
3022. -HVY PK 0.5 TWP 7 50 BODY
3023. -HVY WH 0.5 TWP 7 50 BODY
3026. -HVY PU 0.5 TWP 7 50 BODY
3027. -HVY GY 0.5 TWP 7 50 BODY
3024. OG 0.5 TWP 7 50 BODY
3025. YE 0.5 TWP 7 50 BODY
SDM_CGND
Ground Distribution
Case Gnd
Page -Gnd Dist-29
A2 A1
SC SC
B2 B1
15336476
4M M/P280 BODY
J175
P175
4F M/P280 PT_COIL
15336479
B2 B1
A2 A1
15336476
4M M/P280 BODY(RT)
J436
P436
4F M/P280 IP
15479525
2751 SDM_PU_GND
Ground Distribution
Gnd Zone #27
Page- Gnd Dist -26
3020. BN 0.5 TWP 7 50 PT_COIL5
3021. TN 0.5 TWP 7 50 PT_COIL5
3022. -HVY PK 0.5 TWP 7 50 PT_COIL5
3023. -HVY WH 0.5 TWP 7 50 PT_COIL5
Col-Clock Spring Coil
900_col_coil_sir 003
UPC FNA
3026. -HVY PU 0.5 TWP 7 50 IP
3027. -HVY GY 0.5 TWP 7 50 IP
3024. -HVY OG 0.5 TWP 7 50 IP
3025. -HVY YE 0.5 TWP 7 50 IP
3024. &HVY OG 0.5 TWP 7 50 IP
3025. &HVY YE 0.5 TWP 7 50 IP
15336476
4M M/P280 IP
J348
P348
4F M/P280 PT_PAB
15336479
15358601
2M M/P280 IP
J441
P441
2F M/P280 PT_PAB
12186991
B A
3020. &HVY BN 0.5 TWP 7 50 PT_COIL6
3021. &HVY TN 0.5 TWP 7 50 PT_COIL6
3020. -HVY BN 0.5 TWP 7 50 PT_COIL6
3021. -HVY TN 0.5 TWP 7 50 PT_COIL6
3022. -HVY PK 0.5 TWP 7 50 PT_COIL7
3023. -HVY WH 0.5 TWP 7 50 PT_COIL7
3026. -HVY PU 0.8 TWP 7 50 PT_PAB
3027. -HVY GY 0.8 TWP 7 50 PT_PAB
3024. -HVY OG 0.8 TWP 7 50 PT_PAB
3025. -HVY YE 0.8 TWP 7 50 PT_PAB
3024. &HVY OG 0.8 TWP 7 50 PT_PAB
3025. &HVY YE 0.8 TWP 7 50 PT_PAB
AU 2 AU 1
AU J1-2 AU J1-1
AU J2-2 AU J2-1
BAG LO BAG HI
SHORTING BAR
SINGLE STAGE
Airbag-Driver-HD
900_col_sir_drvr_hd
UPC FNA 002
54560235
STAGE 1
STAGE 2
Airbag-Driver
900_col_sir_drvr 002
UPC FNA
J1-54560236
J2-54560222
STAGE 2
STAGE 1
Airbag-Passenger
900_sir_pass_pu 001
UPC FNA
SINGLE STAGE
Airbag-Pasenger-HD
900_sir_pu_hd 001
UPC FNA
1

NOTE:
SDM CONNECTOR P/N 13570294 SHOULD BE USED FOR '43/53 LD &ASF' APPLICATIONS.
SDM CONNECTOR P/N 13578745 SHOULD BE USED FOR '03/43/53 LD -ASF' APPLICATIONS.
SDM CONNECTOR P/N 13570296 SHOULD BE USED FOR '03 LD &ASF' APPLICATIONS.
SDM CONNECTOR P/N 13570295 SHOULD BE USED FOR '03/53 HD &C99' APPLICATIONS.
SDM CONNECTOR P/N 13570297 SHOULD BE USED FOR '43 HD -C99' APPLICATIONS.

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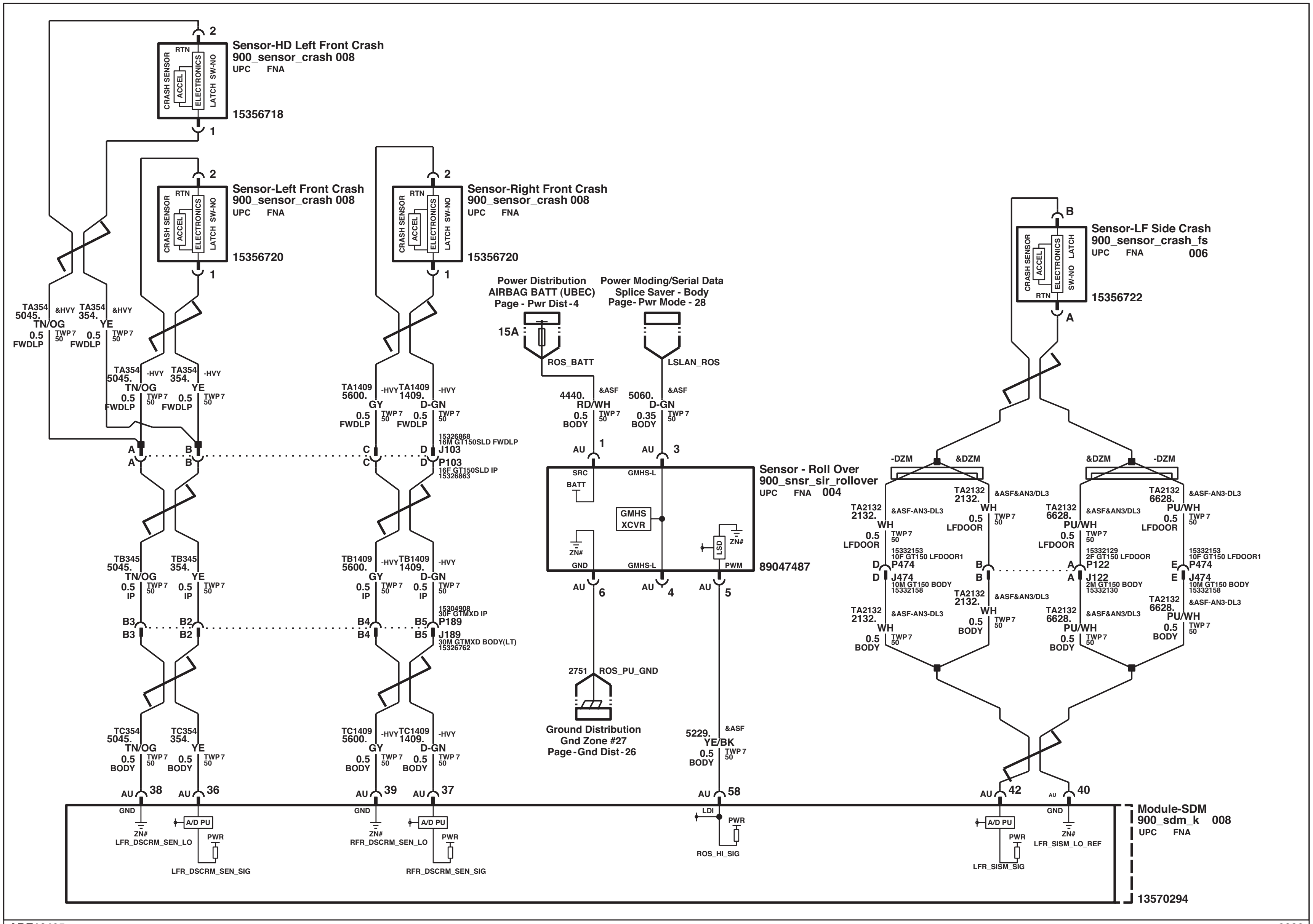
2008
GMT900
IVER
System Status: Object Status:

Protection: SIR Pickup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ACCEL
ELECTRONICS
LATCH SW-NO
RTN
2
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Sensor-Left Front Crash
900_sensor_crash 008
UPC FNA
15356720
Sensor-Right Front Crash
900_sensor_crash 008
UPC FNA
15356720
Sensor-LF Side Crash
900_sensor_crash_fs
UPC FNA 006
15356722
B
A
TA354 5045. &HVY TN/OG 0.5 TWP 7 50 FWDLP
TA354 354. &HVY YE 0.5 TWP 7 50 FWDLP
TA354 5045. -HVY TN/OG 0.5 TWP 7 50 FWDLP
TA354 354. -HVY YE 0.5 TWP 7 50 FWDLP
TA1409 5600. -HVY GY 0.5 TWP 7 50 FWDLP
TA1409 1409. -HVY D-GN 0.5 TWP 7 50 FWDLP
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16M GT150SLD FWDLP
A B C D J103
A B C D P103
16F GT150SLD IP
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TB345 5045. TN/OG 0.5 TWP 7 50 IP
TB345 354. YE 0.5 TWP 7 50 IP
TB1409 5600. -HVY GY 0.5 TWP 7 50 IP
TB1409 1409. -HVY D-GN 0.5 TWP 7 50 IP
15304908
30F GTMXD IP
B3 B2 B4 B5 P189
B3 B2 B4 B5 J189
30M GTMXD BODY(LT)
15326762
TC354 5045. TN/OG 0.5 TWP 7 50 BODY
TC354 354. YE 0.5 TWP 7 50 BODY
TC1409 5600. -HVY GY 0.5 TWP 7 50 BODY
TC1409 1409. -HVY D-GN 0.5 TWP 7 50 BODY
Power Distribution
AIRBAG BATT (UBEC)
Page - Pwr Dist - 4
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ROS_BATT
Power Moding/Serial Data
Splice Saver - Body
Page- Pwr Mode - 28
LSLAN_ROS
4440. &ASF RD/WH 0.5 TWP 7 50 BODY
5060. &ASF D-GN 0.35 TWP 7 50 BODY
AU 1
AU 3
Sensor - Roll Over
900_snsr_sir_rollover
UPC FNA 004
89047487
SRC
BATT
GMHS-L
GMHS
XCVR
ZN#
LSD
GND
GMHS-L
PWM
AU 6
AU 4
AU 5
2751 ROS_PU_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 26
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-DZM &DZM
&DZM -DZM
TA2132 2132. &ASF-AN3-DL3 WH 0.5 TWP 7 50 LFDOOR
TA2132 2132. &ASF&AN3/DL3 WH 0.5 TWP 7 50 LFDOOR
TA2132 6628. &ASF&AN3/DL3 PU/WH 0.5 TWP 7 50 LFDOOR
TA2132 6628. &ASF-AN3-DL3 PU/WH 0.5 TWP 7 50 LFDOOR
15332153
10F GT150 LFDOOR1
D P474
D J474
10M GT150 BODY
15332158
B B
15332129
2F GT150 LFDOOR
A P122
A J122
2M GT150 BODY
15332130
15332153
10F GT150 LFDOOR1
E P474
E J474
10M GT150 BODY
15332158
TA2132 2132. &ASF-AN3-DL3 WH 0.5 TWP 7 50 BODY
TA2132 2132. &ASF&AN3/DL3 WH 0.5 TWP 7 50 BODY
TA2132 6628. &ASF&AN3/DL3 PU/WH 0.5 TWP 7 50 BODY
TA2132 6628. &ASF-AN3-DL3 PU/WH 0.5 TWP 7 50 BODY
AU 38
AU 36
AU 39
AU 37
AU 58
AU 42
AU 40
GND
ZN#
LFR_DSCRM_SEN_LO
A/D PU
PWR
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ZN#
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A/D PU
PWR
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LDI
PWR
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A/D PU
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Module-SDM
900_sdm_k 008
UPC FNA
13570294

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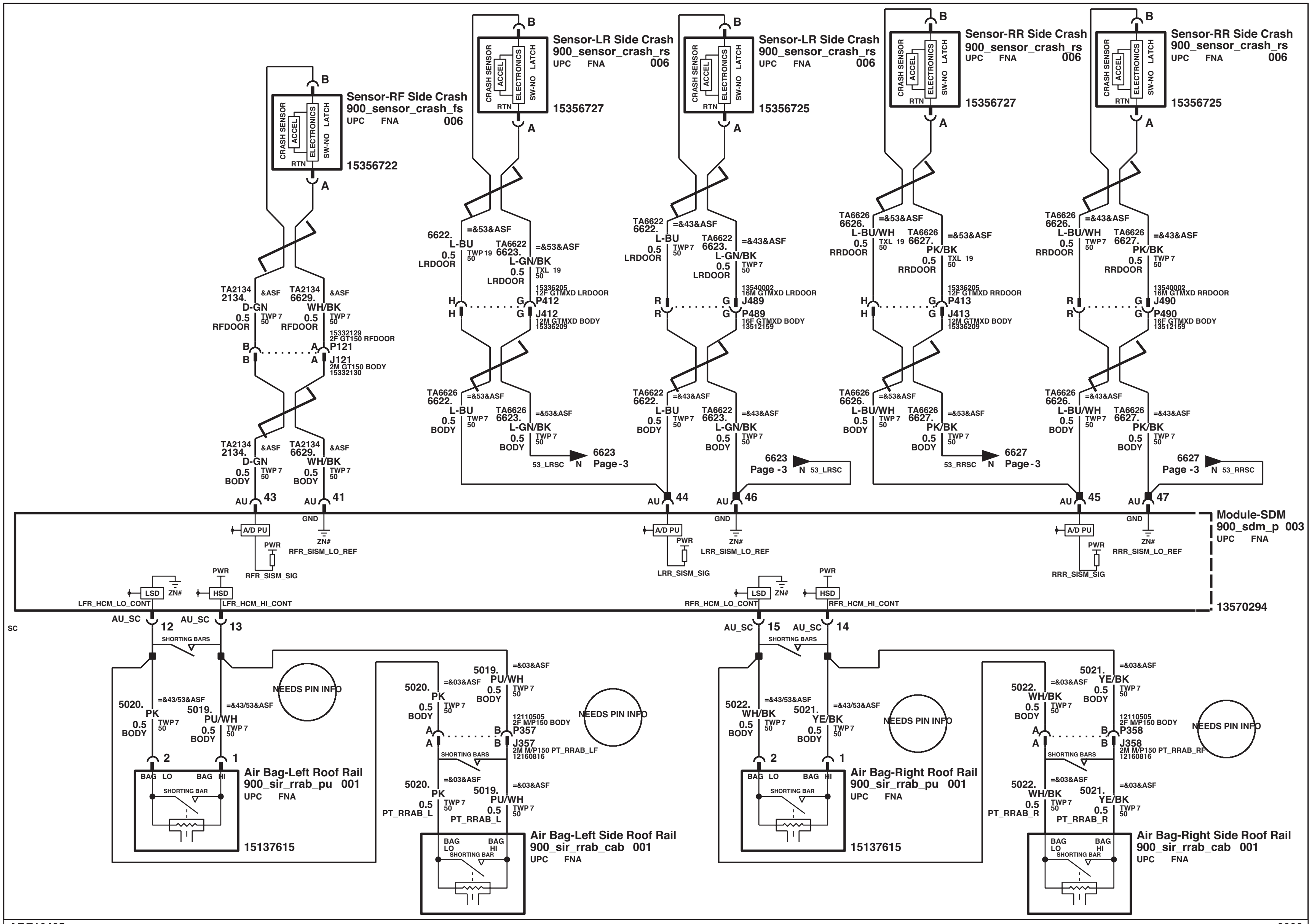
System Status: Object Status:

Protection: SIR Pickup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900_sensor_crash_rs
UPC FNA 006
15356725
Sensor-RR Side Crash
900_sensor_crash_rs
UPC FNA 006
15356727
Sensor-RR Side Crash
900_sensor_crash_rs
UPC FNA 006
15356725
CRASH SENSOR
ACCEL
ELECTRONICS
SW-NO LATCH
RTN
A
B
2134. D-GN 0.5 RFDOOR
6629. WH/BK 0.5 RFDOOR
P121
J121
6622. L-BU 0.5 LRDOOR
6623. L-GN/BK 0.5 LRDOOR
P412
J412
J489
P489
6626. L-BU/WH 0.5 RRDOOR
6627. PK/BK 0.5 RRDOOR
P413
J413
J490
P490
6623 Page-3 N 53_LRSC
6627 Page-3 N 53_RRSC
AU 43
AU 41
AU 44
AU 46
AU 45
AU 47
GND
A/D PU
PWR
RFR_SISM_LO_REF
RFR_SISM_SIG
LRR_SISM_LO_REF
LRR_SISM_SIG
RRR_SISM_LO_REF
RRR_SISM_SIG
LSD
HSD
ZN#
LFR_HCM_LO_CONT
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Module-SDM
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13570294
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AU_SC 13
AU_SC 15
AU_SC 14
SC
SHORTING BARS
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5019. PU/WH 0.5 BODY
5022. WH/BK 0.5 BODY
5021. YE/BK 0.5 BODY
NEEDS PIN INFO
P357
J357
P358
J358
PT_RRAB_L
PT_RRAB_R
Air Bag-Left Roof Rail
900_sir_rrab_pu 001
UPC FNA
15137615
Air Bag-Right Roof Rail
900_sir_rrab_pu 001
UPC FNA
15137615
Air Bag-Left Side Roof Rail
900_sir_rrab_cab 001
UPC FNA
Air Bag-Right Side Roof Rail
900_sir_rrab_cab 001
UPC FNA
BAG LO
BAG HI
SHORTING BAR

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System Status: Object Status:

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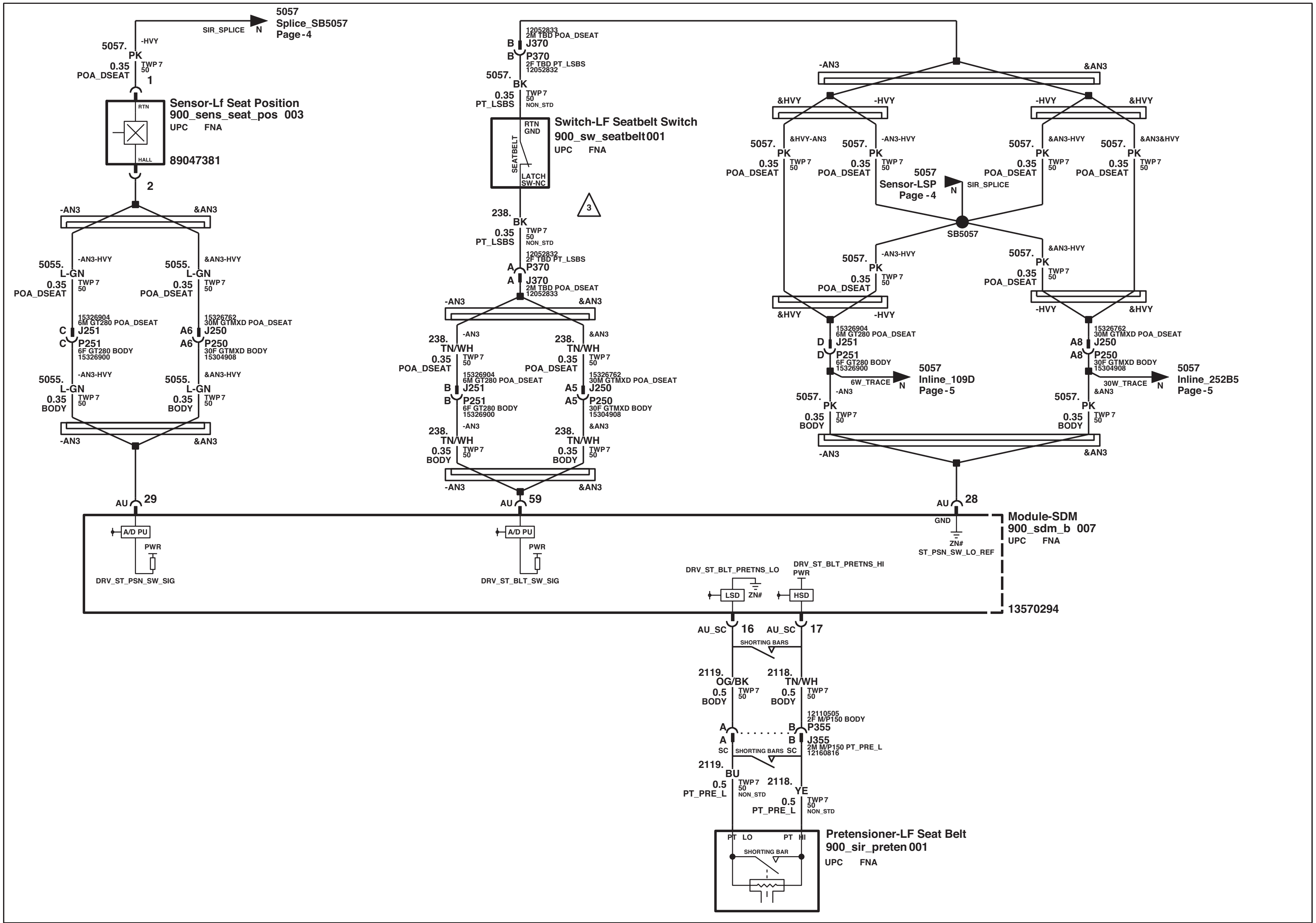
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Sensor-Lf Seat Position
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UPC FNA
RTN
HALL
89047381
2
-AN3 &AN3
5055. L-GN 0.35 POA_DSEAT TWP 7 50 -AN3-HVY
5055. L-GN 0.35 POA_DSEAT TWP 7 50 &AN3-HVY
15326904 6M GT280 POA_DSEAT C J251
C P251 6F GT280 BODY 15326900
15326762 30M GTMXD POA_DSEAT A6 J250
A6 P250 30F GTMXD BODY 15304908
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AU 29
12052833 2M TBD POA_DSEAT B J370
B P370 2F TBD PT_LSBS 12052832
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Switch-LF Seatbelt Switch
900_sw_seatbelt001
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RTN GND
SEATBELT
LATCH SW-NC
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238. BK 0.35 PT_LSBS TWP 7 50 NON_STD
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A J370 2M TBD POA_DSEAT 12052833
238. TN/WH 0.35 POA_DSEAT TWP 7 50
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B P251 6F GT280 BODY 15326900
15326762 30M GTMXD POA_DSEAT A5 J250
A5 P250 30F GTMXD BODY 15304908
238. TN/WH 0.35 BODY TWP 7 50
AU 59
&HVY -HVY &HVY-AN3 -AN3-HVY &AN3-HVY &AN3&HVY
5057. PK 0.35 POA_DSEAT TWP 7 50
5057 Sensor-LSP Page-4
SIR_SPLICE N
SB5057
15326904 6M GT280 POA_DSEAT D J251
D P251 6F GT280 BODY 15326900
6W_TRACE N 5057 Inline_109D Page-5
15326762 30M GTMXD POA_DSEAT A8 J250
A8 P250 30F GTMXD BODY 15304908
30W_TRACE N 5057 Inline_252B5 Page-5
5057. PK 0.35 BODY TWP 7 50
AU 28
Module-SDM
900_sdm_b 007
UPC FNA
GND
ZN# ST_PSN_SW_LO_REF
A/D PU PWR DRV_ST_PSN_SW_SIG
A/D PU PWR DRV_ST_BLT_SW_SIG
DRV_ST_BLT_PRETNS_LO LSD ZN#
DRV_ST_BLT_PRETNS_HI PWR HSD
13570294
AU_SC 16 AU_SC 17
SHORTING BARS
2119. OG/BK 0.5 BODY TWP 7 50
2118. TN/WH 0.5 BODY TWP 7 50
12110505 2F M/P150 BODY B P355
A A B J355 2M M/P150 PT_PRE_L 12160816
SC SHORTING BARS SC
2119. BU 0.5 PT_PRE_L TWP 7 50 NON_STD
2118. YE 0.5 PT_PRE_L TWP 7 50 NON_STD
Pretensioner-LF Seat Belt
900_sir_preten 001
UPC FNA
PT LO PT HI
SHORTING BAR

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System Status: Object Status:

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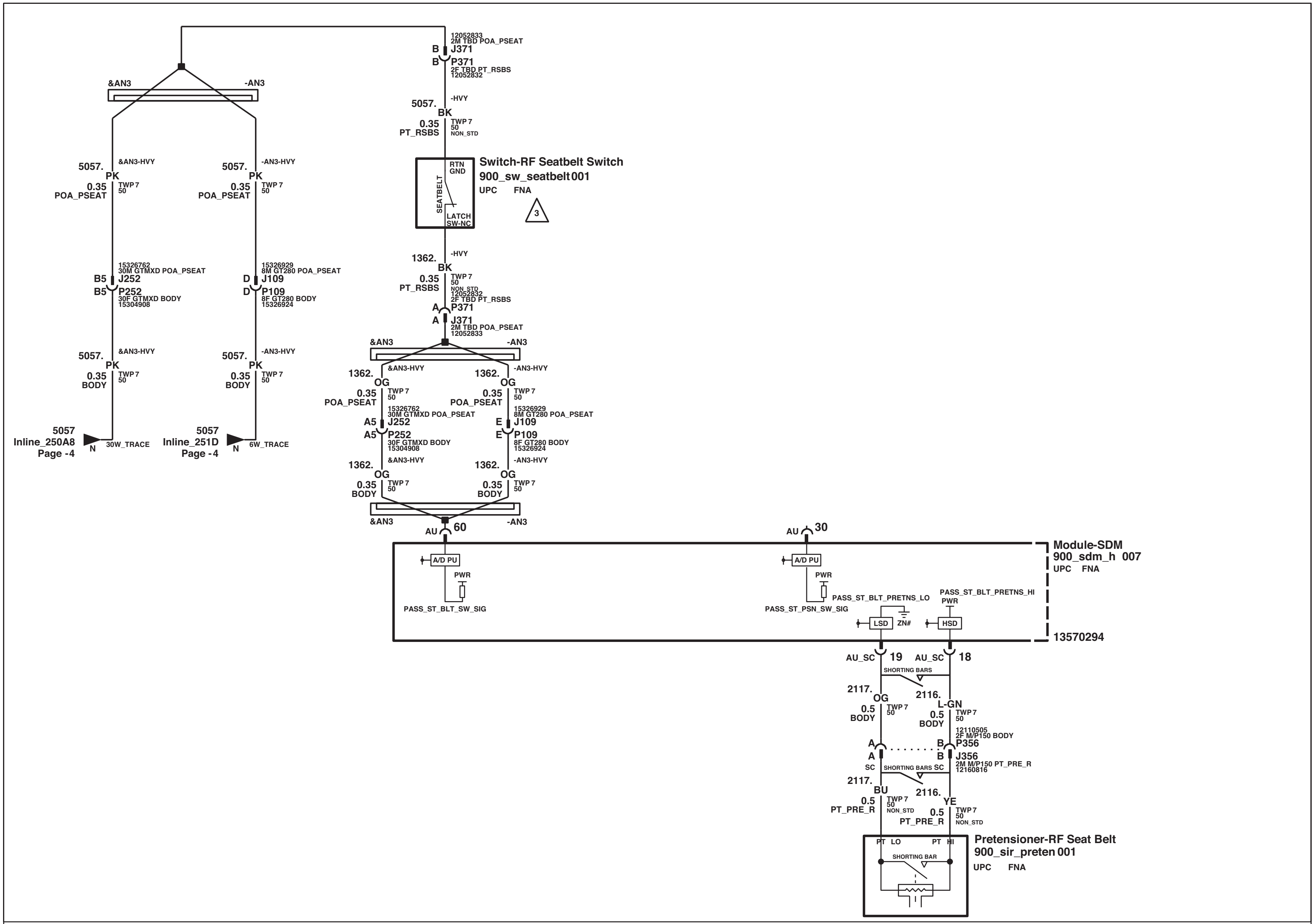
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B J371
B P371
2F TBD PT_RSBS
12052832
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0.35 PT_RSBS TWP 7 50 NON_STD
&AN3
-AN3
5057. PK &AN3-HVY
0.35 POA_PSEAT TWP 7 50
5057. PK -AN3-HVY
0.35 POA_PSEAT TWP 7 50
Switch-RF Seatbelt Switch
900_sw_seatbelt 001
UPC FNA
RTN GND
SEATBELT
LATCH SW-NC
3
1362. BK -HVY
0.35 PT_RSBS TWP 7 50 NON_STD
12052832
2F TBD PT_RSBS
A P371
A J371
2M TBD POA_PSEAT
12052833
15326762
30M GTMXD POA_PSEAT
B5 J252
B5 P252
30F GTMXD BODY
15304908
15326929
8M GT280 POA_PSEAT
D J109
D P109
8F GT280 BODY
15326924
5057. PK &AN3-HVY
0.35 BODY TWP 7 50
5057. PK -AN3-HVY
0.35 BODY TWP 7 50
5057 Inline_250A8 Page -4
N 30W_TRACE
5057 Inline_251D Page -4
N 6W_TRACE
&AN3
-AN3
1362. OG &AN3-HVY
0.35 POA_PSEAT TWP 7 50
1362. OG -AN3-HVY
0.35 POA_PSEAT TWP 7 50
15326762
30M GTMXD POA_PSEAT
A5 J252
A5 P252
30F GTMXD BODY
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15326929
8M GT280 POA_PSEAT
E J109
E P109
8F GT280 BODY
15326924
1362. OG &AN3-HVY
0.35 BODY TWP 7 50
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&AN3
-AN3
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AU 30
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A/D PU
PWR
PASS_ST_PSN_SW_SIG
PASS_ST_BLT_PRETNS_LO
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PWR
LSD
ZN#
HSD
13570294
AU_SC 19
AU_SC 18
SHORTING BARS
2117. OG
0.5 BODY TWP 7 50
2116. L-GN
0.5 BODY TWP 7 50
12110505
2F M/P150 BODY
A B P356
A B J356
2M M/P150 PT_PRE_R
12160816
SC SHORTING BARS SC
2117. BU
0.5 PT_PRE_R TWP 7 50 NON_STD
2116. YE
0.5 PT_PRE_R TWP 7 50 NON_STD
Pretensioner-RF Seat Belt
900_sir_preten 001
UPC FNA
PT LO
PT HI
SHORTING BAR

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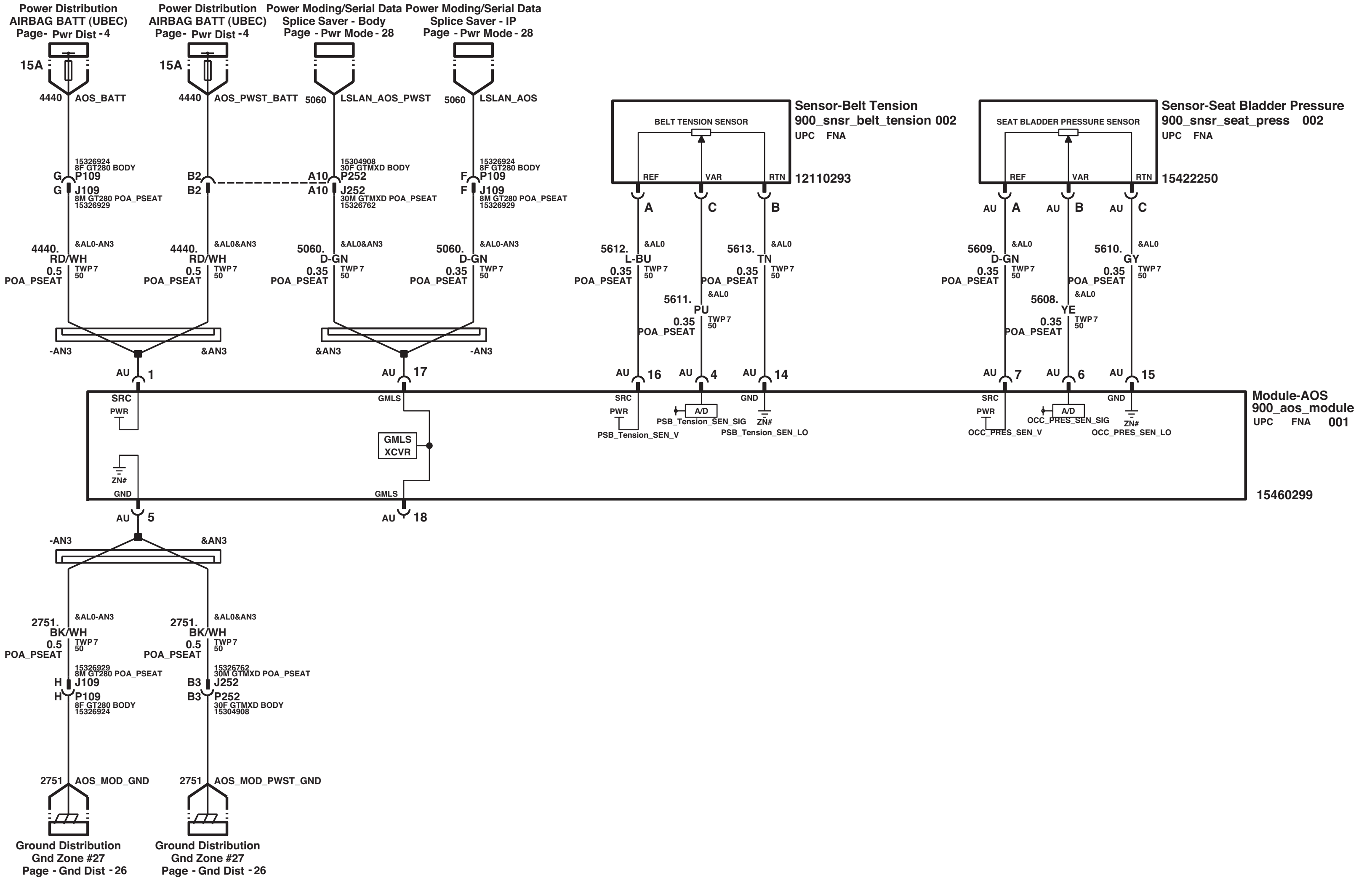
Protection: SIR Pickup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4440 AOS_BATT
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Splice Saver - Body
Page - Pwr Mode - 28
5060 LSLAN_AOS_PWST
Power Moding/Serial Data
Splice Saver - IP
Page - Pwr Mode - 28
5060 LSLAN_AOS
15326924
8F GT280 BODY
P109
J109
8M GT280 POA_PSEAT
15326929
15304908
30F GTMXD BODY
P252
J252
30M GTMXD POA_PSEAT
15326762
G
B2
A10
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RD/WH
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POA_PSEAT
TWP 7
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D-GN
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-AN3
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Sensor-Belt Tension
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C
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L-BU
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PU
5613.
TN
&AL0
Sensor-Seat Bladder Pressure
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SEAT BLADDER PRESSURE SENSOR
15422250
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D-GN
5608.
YE
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GY
16
4
14
7
6
15
Module-AOS
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PWR
GMLS
GND
A/D
PSB_Tension_SEN_SIG
PSB_Tension_SEN_V
PSB_Tension_SEN_LO
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OCC_PRES_SEN_SIG
OCC_PRES_SEN_V
OCC_PRES_SEN_LO
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XCVR
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18
2751.
BK/WH
H
B3
2751 AOS_MOD_GND
2751 AOS_MOD_PWST_GND
Ground Distribution
Gnd Zone #27
Page - Gnd Dist - 26

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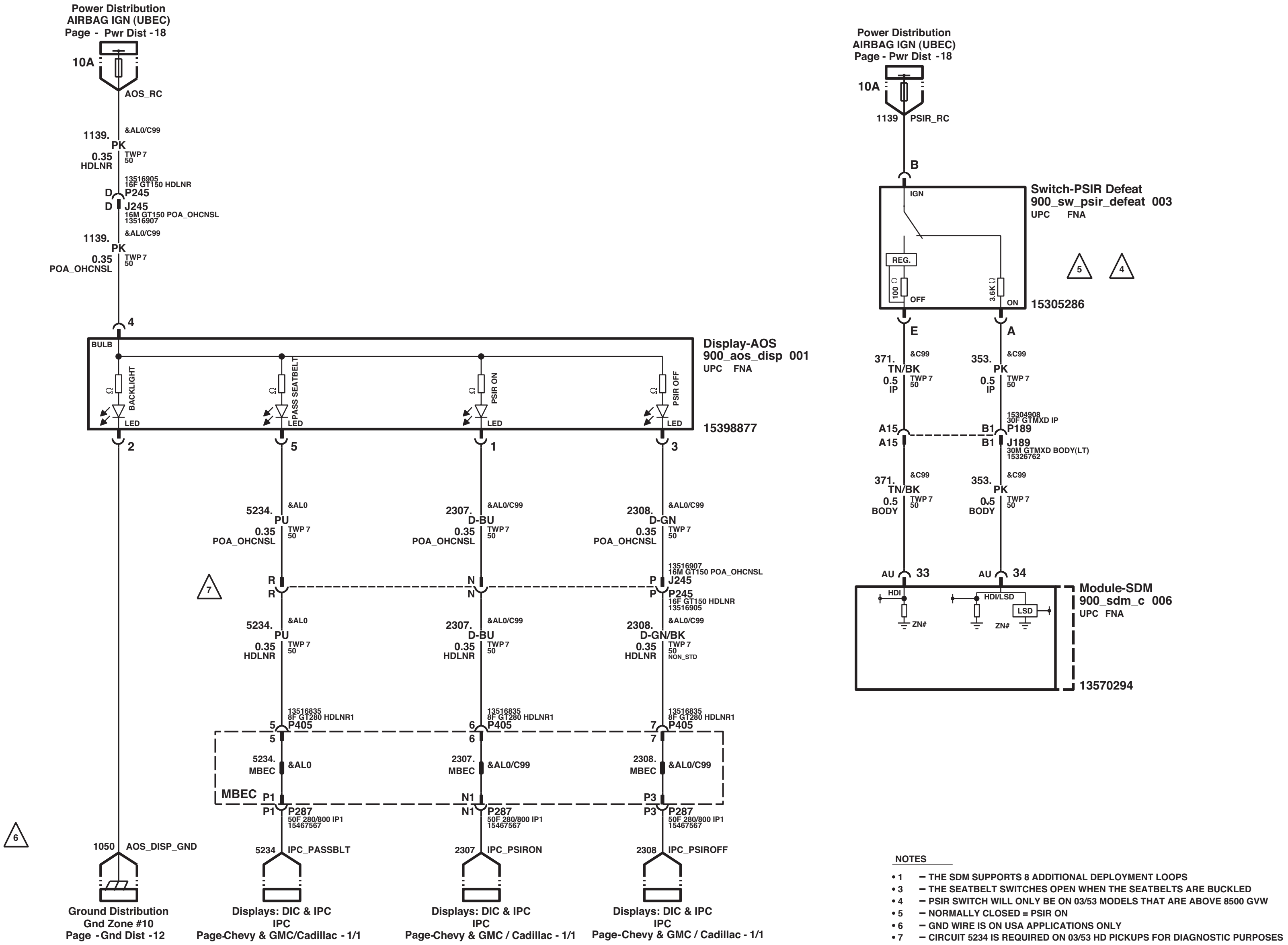
Protection: SIR Pickup



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D P245
D J245
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&AL0/C99
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4
BULB
BACKLIGHT
PASS SEATBELT
PSIR ON
PSIR OFF
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TWP 7
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D-GN
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POA_OHCNSL
TWP 7
50
13516907
16M GT150 POA_OHCNSL
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R
N
N
P J245
P P245
16F GT150 HDLNR
13516905
7
5234.
PU
&AL0
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HDLNR
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D-BU
&AL0/C99
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HDLNR
TWP 7
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D-GN/BK
&AL0/C99
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NON_STD
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8F GT280 HDLNR1
5 P405
5
6 P405
6
7 P405
7
5234.
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&AL0
2307.
MBEC
&AL0/C99
2308.
MBEC
&AL0/C99
MBEC
P1
P1 P287
50F 280/800 IP1
15467567
N1
N1 P287
P3
P3 P287
6
1050 AOS_DISP_GND
5234 IPC_PASSBLT
2307 IPC_PSIRON
2308 IPC_PSIROFF
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -12
Displays: DIC & IPC
IPC
Page-Chevy & GMC/Cadillac - 1/1
Displays: DIC & IPC
IPC
Page-Chevy & GMC / Cadillac - 1/1
Displays: DIC & IPC
IPC
Page-Chevy & GMC / Cadillac - 1/1
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IGN
Switch-PSIR Defeat
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REG.
100 Ω
3.6K Ω
OFF
ON
15305286
5
4
E
A
371.
TN/BK
&C99
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IP
TWP 7
50
353.
PK
&C99
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IP
TWP 7
50
15304908
30F GTMXD IP
A15
A15
B1 P189
B1 J189
30M GTMXD BODY(LT)
15326762
371.
TN/BK
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BODY
TWP 7
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PK
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BODY
TWP 7
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AU 33
AU 34
HDI
HDI/LSD
LSD
ZN#
ZN#
Module-SDM
900_sdm_c 006
UPC FNA
13570294

NOTES

- 1 – THE SDM SUPPORTS 8 ADDITIONAL DEPLOYMENT LOOPS
- 3 – THE SEATBELT SWITCHES OPEN WHEN THE SEATBELTS ARE BUCKLED
- 4 – PSIR SWITCH WILL ONLY BE ON 03/53 MODELS THAT ARE ABOVE 8500 GVW
- 5 – NORMALLY CLOSED = PSIR ON
- 6 – GND WIRE IS ON USA APPLICATIONS ONLY
- 7 – CIRCUIT 5234 IS REQUIRED ON 03/53 HD PICKUPS FOR DIAGNOSTIC PURPOSES

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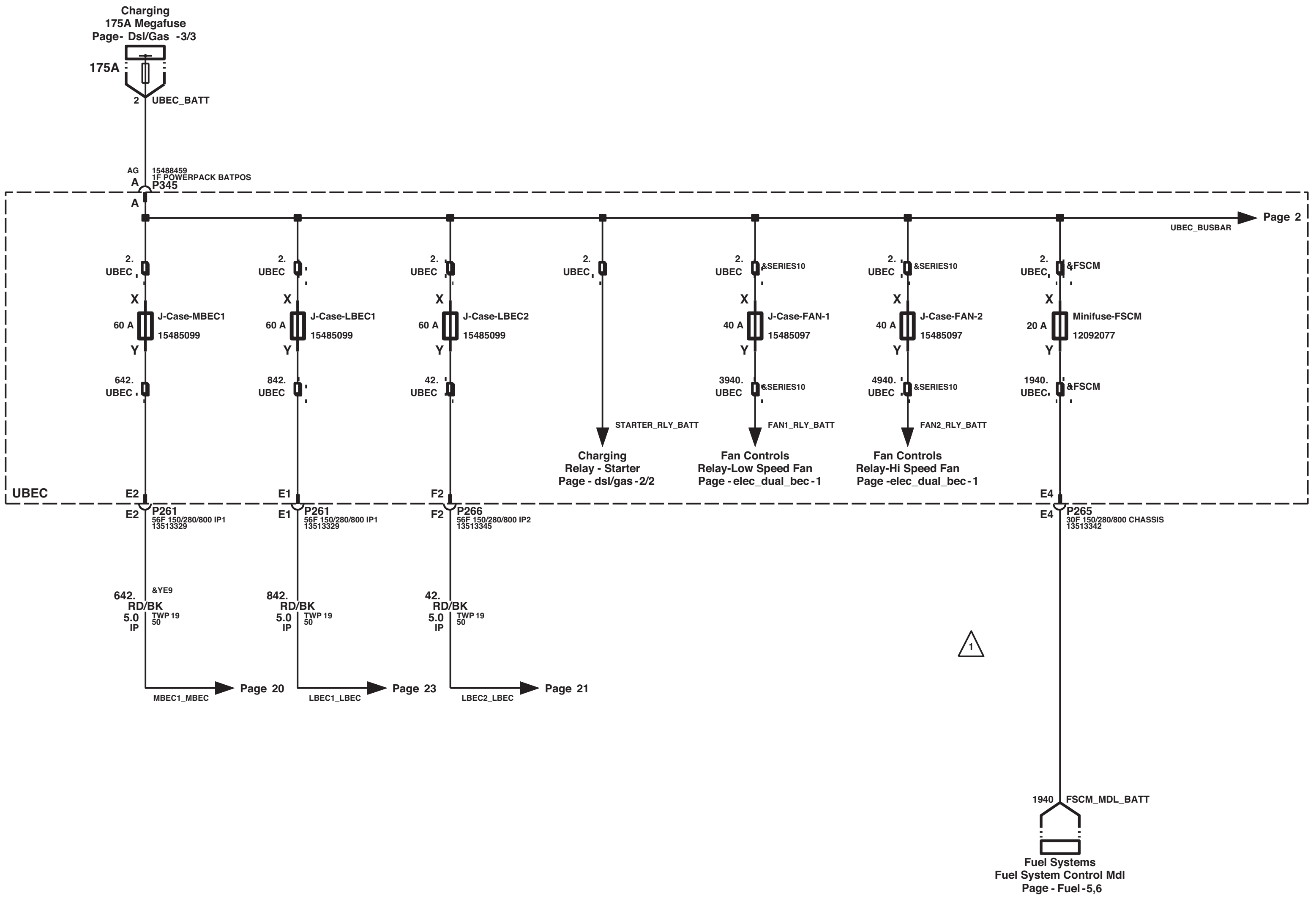
System Status: Object Status:

Power Distribution


Charging
175A Megafuse
Page- Dsl/Gas -3/3
175A
2 UBEC_BATT
AG 15488459
1F POWERPACK BATPOS
A P345
A
Page 2
UBEC_BUSBAR
2. UBEC
X
60 A J-Case-MBEC1 15485099
Y
642. UBEC
2. UBEC
X
60 A J-Case-LBEC1 15485099
Y
842. UBEC
2. UBEC
X
60 A J-Case-LBEC2 15485099
Y
42. UBEC
2. UBEC
STARTER_RLY_BATT
Charging
Relay - Starter
Page - dsl/gas - 2/2
2. UBEC &SERIES10
X
40 A J-Case-FAN-1 15485097
Y
3940. UBEC &SERIES10
FAN1_RLY_BATT
Fan Controls
Relay-Low Speed Fan
Page - elec_dual_bec - 1
2. UBEC &SERIES10
X
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Y
4940. UBEC &SERIES10
FAN2_RLY_BATT
Fan Controls
Relay-Hi Speed Fan
Page - elec_dual_bec - 1
2. UBEC &FSCM
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Y
1940. UBEC &FSCM
UBEC
E2 E2 P261 56F 150/280/800 IP1 13513329
E1 E1 P261 56F 150/280/800 IP1 13513329
F2 F2 P266 56F 150/280/800 IP2 13513345
E4 E4 P265 30F 150/280/800 CHASSIS 13513342
642. &YE9 RD/BK 5.0 IP TWP 19 50
842. RD/BK 5.0 IP TWP 19 50
42. RD/BK 5.0 IP TWP 19 50
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Page 23 LBEC1_LBEC
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1
1940 FSCM_MDL_BATT
Fuel Systems
Fuel System Control Mdl
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NOTES
- 1 – WIRE MINIMUM SIZE OF 2.0 FOR FSCM TERMINAL VALIDATION.

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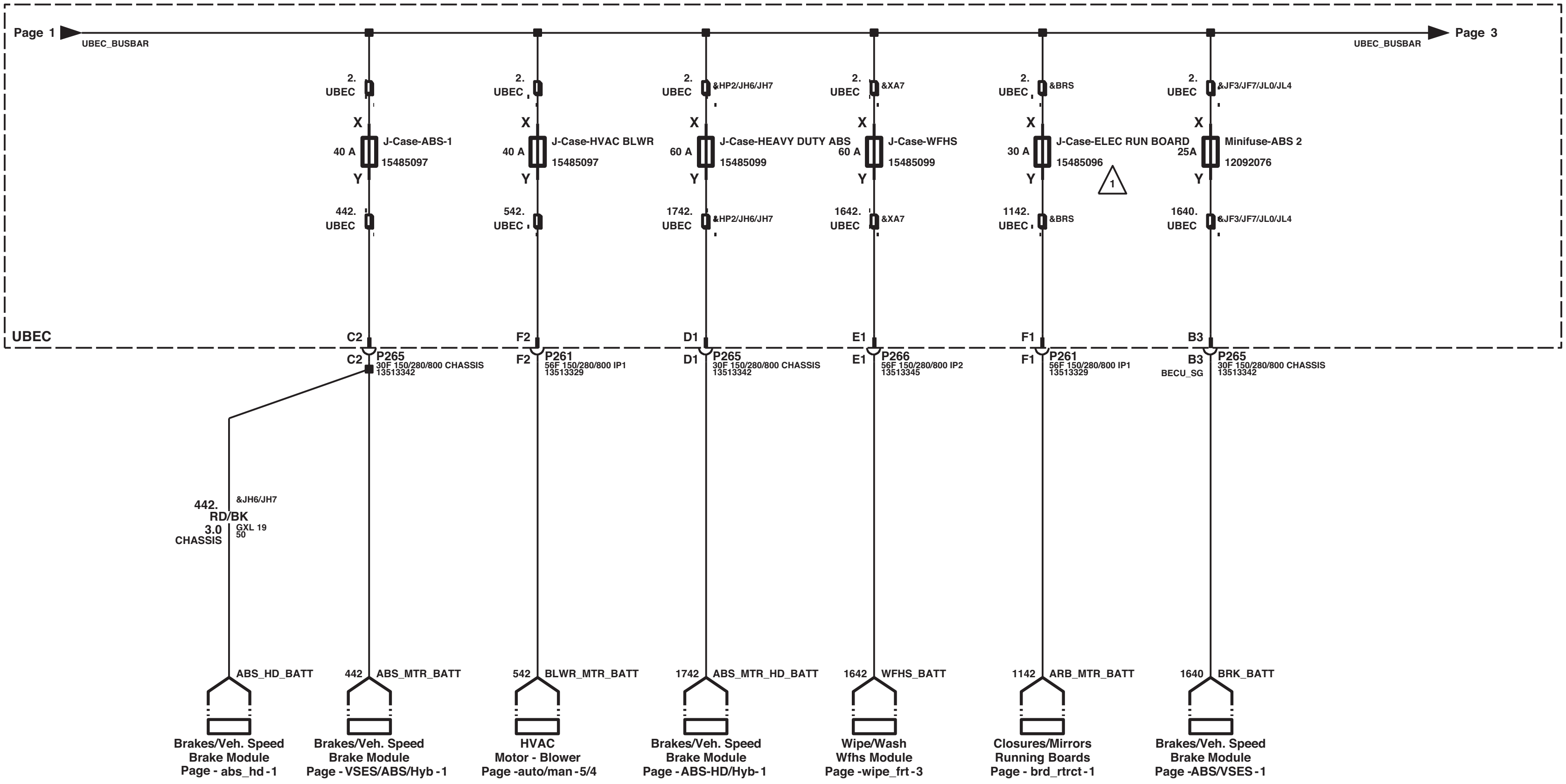
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X
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J-Case-ABS-1
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Y
442. UBEC
2. UBEC
X
40 A
J-Case-HVAC BLWR
15485097
Y
542. UBEC
2. UBEC
&HP2/JH6/JH7
X
60 A
J-Case-HEAVY DUTY ABS
15485099
Y
1742. UBEC
&HP2/JH6/JH7
2. UBEC
&XA7
X
60 A
J-Case-WFHS
15485099
Y
1642. UBEC
&XA7
2. UBEC
&BRS
X
30 A
J-Case-ELEC RUN BOARD
15485096
1
Y
1142. UBEC
&BRS
2. UBEC
&JF3/JF7/JL0/JL4
X
25A
Minifuse-ABS 2
12092076
Y
1640. UBEC
&JF3/JF7/JL0/JL4
UBEC
C2
C2
P265
30F 150/280/800 CHASSIS
13513342
F2
F2
P261
56F 150/280/800 IP1
13513329
D1
D1
P265
30F 150/280/800 CHASSIS
13513342
E1
E1
P266
56F 150/280/800 IP2
13513345
F1
F1
P261
56F 150/280/800 IP1
13513329
B3
B3
BECU_SG
P265
30F 150/280/800 CHASSIS
13513342
442.
&JH6/JH7
RD/BK
3.0
GXL 19
50
CHASSIS
ABS_HD_BATT
442 ABS_MTR_BATT
542 BLWR_MTR_BATT
1742 ABS_MTR_HD_BATT
1642 WFHS_BATT
1142 ARB_MTR_BATT
1640 BRK_BATT
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Brake Module
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Motor - Blower
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Brake Module
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Closures/Mirrors
Running Boards
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Brakes/Veh. Speed
Brake Module
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NOTES
- 1 – ELAC RUN BOARD FUSE IS "VAP INSTALLED".

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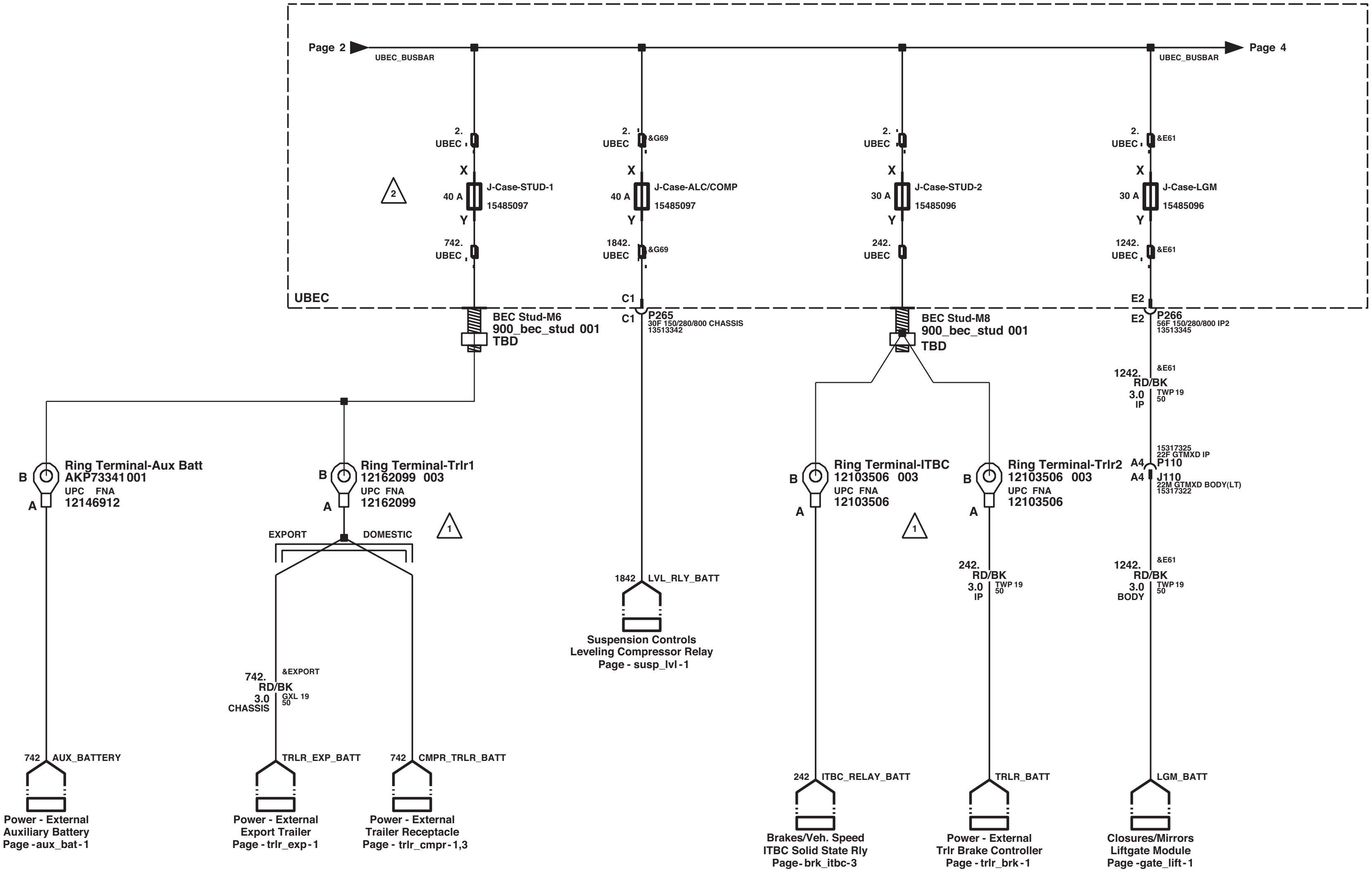
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UBEC_BUSBAR
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X
40 A
J-Case-STUD-1
15485097
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742. UBEC
2. UBEC &G69
X
40 A
J-Case-ALC/COMP
15485097
Y
1842. UBEC &G69
2. UBEC
X
30 A
J-Case-STUD-2
15485096
Y
242. UBEC
2. UBEC &E61
X
30 A
J-Case-LGM
15485096
Y
1242. UBEC &E61
2
UBEC
C1
E2
BEC Stud-M6
900_bec_stud 001
TBD
C1 P265
30F 150/280/800 CHASSIS
13513342
BEC Stud-M8
900_bec_stud 001
TBD
E2 P266
56F 150/280/800 IP2
13513345
1242. RD/BK 3.0 IP &E61 TWP 19 50
15317325
22F GTMXD IP
A4 P110
A4 J110
22M GTMXD BODY(LT)
15317322
Ring Terminal-Aux Batt
AKP73341001
UPC FNA
12146912
B
A
Ring Terminal-Trlr1
12162099 003
UPC FNA
12162099
B
A
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EXPORT
DOMESTIC
Ring Terminal-ITBC
12103506 003
UPC FNA
12103506
B
A
1
Ring Terminal-Trlr2
12103506 003
UPC FNA
12103506
B
A
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Trlr Brake Controller
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LGM_BATT
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Liftgate Module
Page -gate_lift-1

NOTES

- 1 – THE RING TERMINAL CONNECTIONS TO THE STUD 2 J-CASE FUSES
- – ARE NOT MADE AT THE VAP AND ARE "CUSTOMER INSTALLED".
- 2 – UTILITIES-FUSE INSTALLED:PICKUPS-FUSE NOT POPULATED. OWNER PURCHASED FUSE

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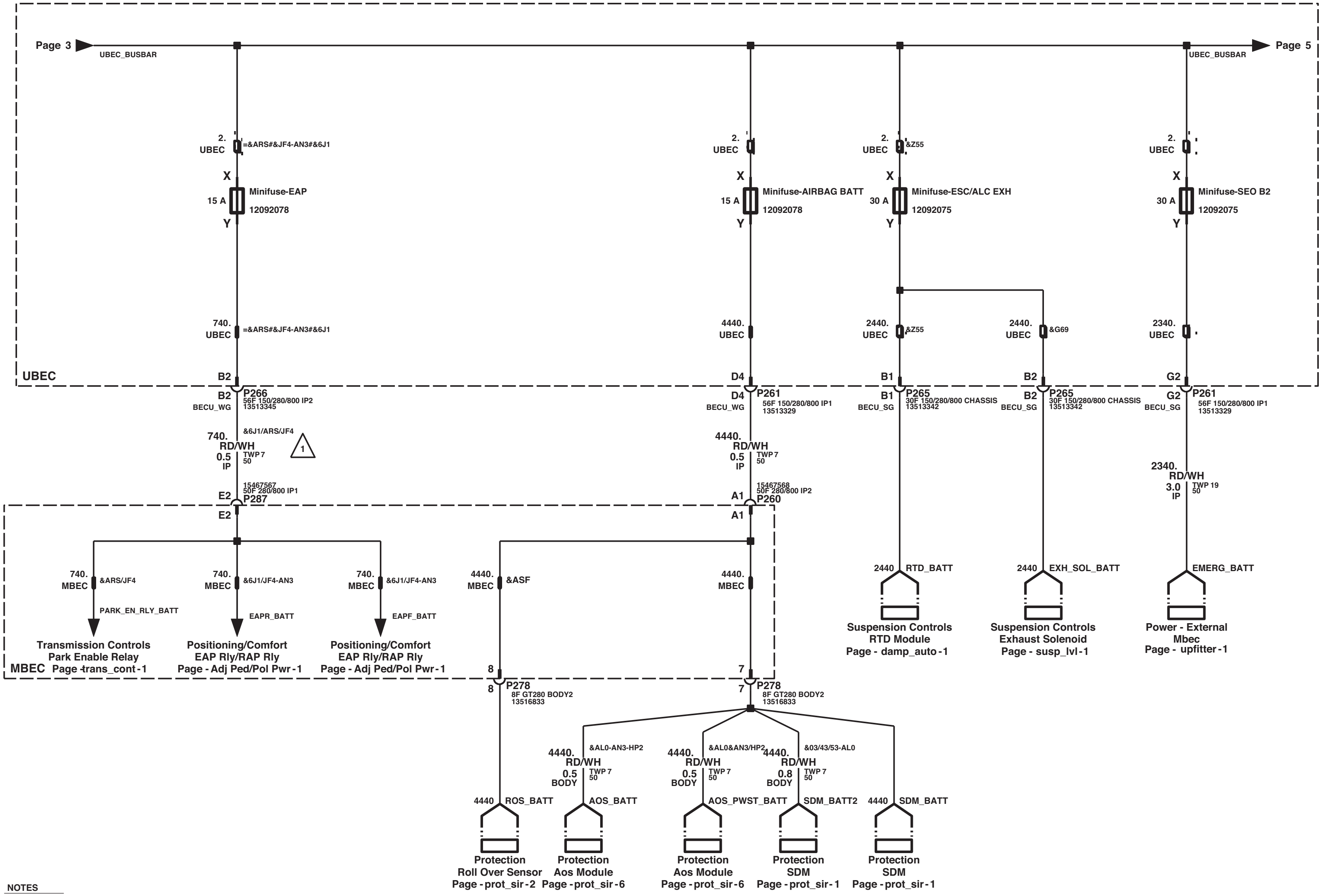
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X
15 A
Minifuse-EAP
12092078
Y
740.
UBEC
=&ARS#&JF4-AN3#&6J1
UBEC
B2
B2
P266
56F 150/280/800 IP2
13513345
BECU_WG
&6J1/ARS/JF4
740.
RD/WH
0.5
IP
TWP 7
50
1
15467567
50F 280/800 IP1
E2
P287
E2
2.
UBEC
X
15 A
Minifuse-AIRBAG BATT
12092078
Y
4440.
UBEC
D4
D4
P261
56F 150/280/800 IP1
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BECU_WG
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50
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50F 280/800 IP2
A1
P260
A1
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&Z55
X
30 A
Minifuse-ESC/ALC EXH
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Y
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&Z55
B1
B1
P265
30F 150/280/800 CHASSIS
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&G69
B2
B2
P265
30F 150/280/800 CHASSIS
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30 A
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740.
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&6J1/JF4-AN3
EAPF_BATT
Positioning/Comfort
EAP Rly/RAP Rly
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MBEC
&ASF
4440.
MBEC
MBEC
2440
RTD_BATT
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RTD Module
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Suspension Controls
Exhaust Solenoid
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BODY
TWP 7
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&AL0-AN3-HP2
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BODY
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SDM
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SDM_BATT
Protection
SDM
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NOTES
- 1 – ONLY FOR JF4-AN3 BUT GIVE-AWAY IN ALL APPLICATIONS THEREFORE (-AN3) REMOVED

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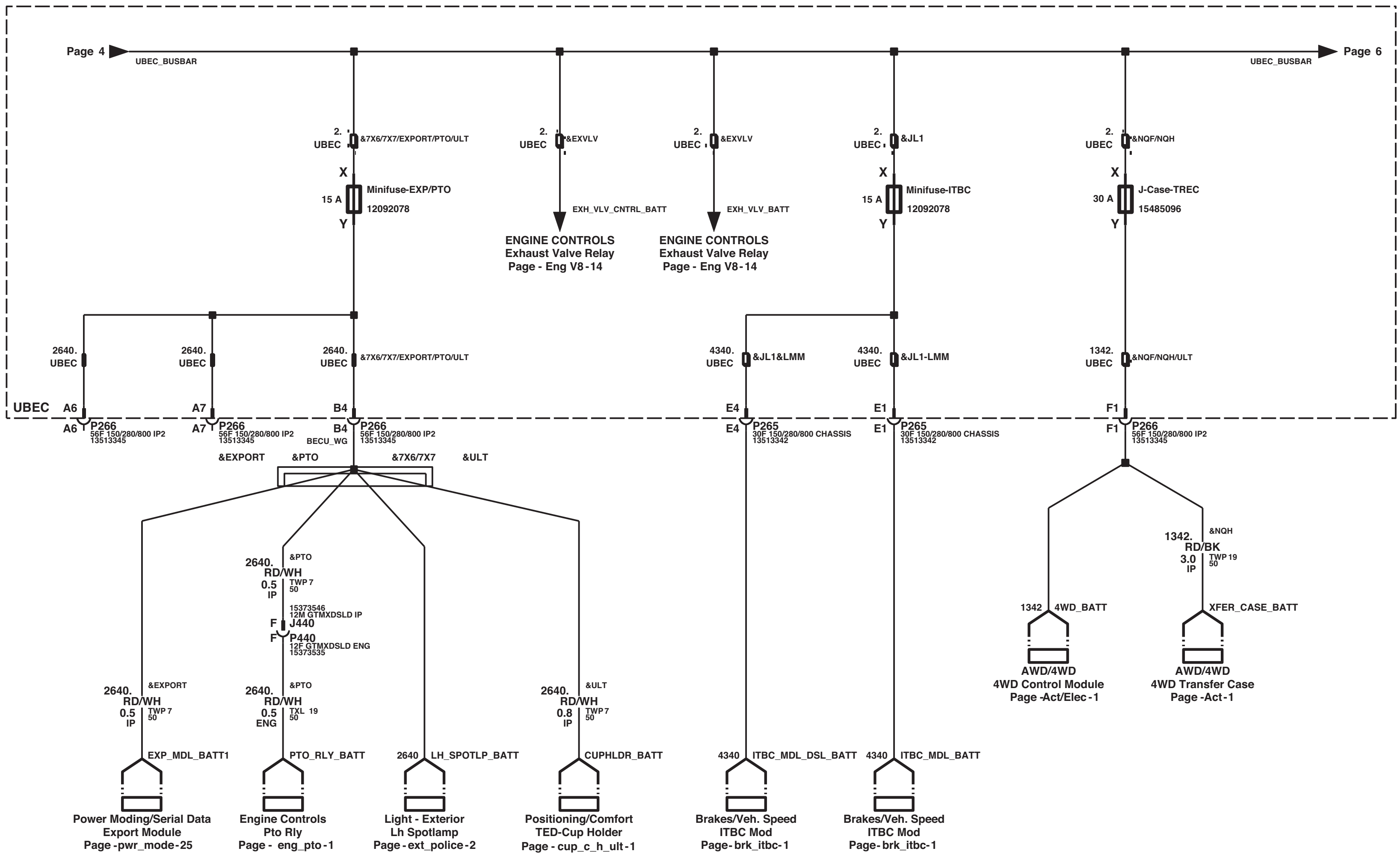
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2.
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&EXVLV
EXH_VLV_CNTRL_BATT
ENGINE CONTROLS
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&EXVLV
EXH_VLV_BATT
ENGINE CONTROLS
Exhaust Valve Relay
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2.
UBEC
&JL1
X
15 A
Minifuse-ITBC
12092078
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2.
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&NQF/NQH
X
30 A
J-Case-TREC
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Y
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UBEC
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UBEC
2640.
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&7X6/7X7/EXPORT/PTO/ULT
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UBEC
&JL1&LMM
4340.
UBEC
&JL1-LMM
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UBEC
&NQF/NQH/ULT
UBEC
A6
A7
B4
E4
E1
F1
A6
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56F 150/280/800 IP2
13513345
A7
P266
56F 150/280/800 IP2
13513345
B4
P266
56F 150/280/800 IP2
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BECU_WG
E4
P265
30F 150/280/800 CHASSIS
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E1
P265
30F 150/280/800 CHASSIS
13513342
F1
P266
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&ULT
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&PTO
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J440
F
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12F GTMXDSLD ENG
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4WD Control Module
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LH_SPOTLP_BATT
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ITBC Mod
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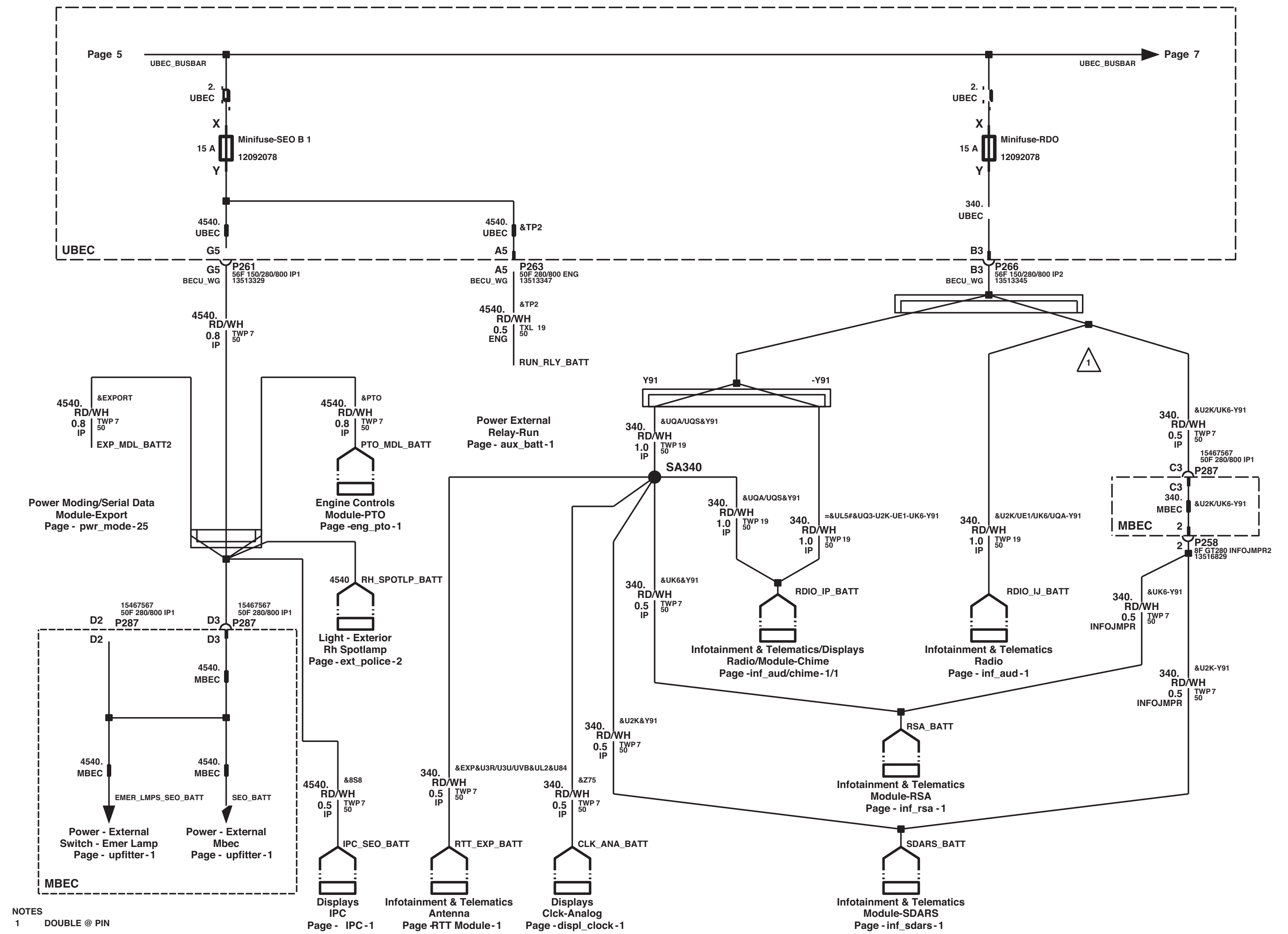
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1 DOUBLE @ PIN

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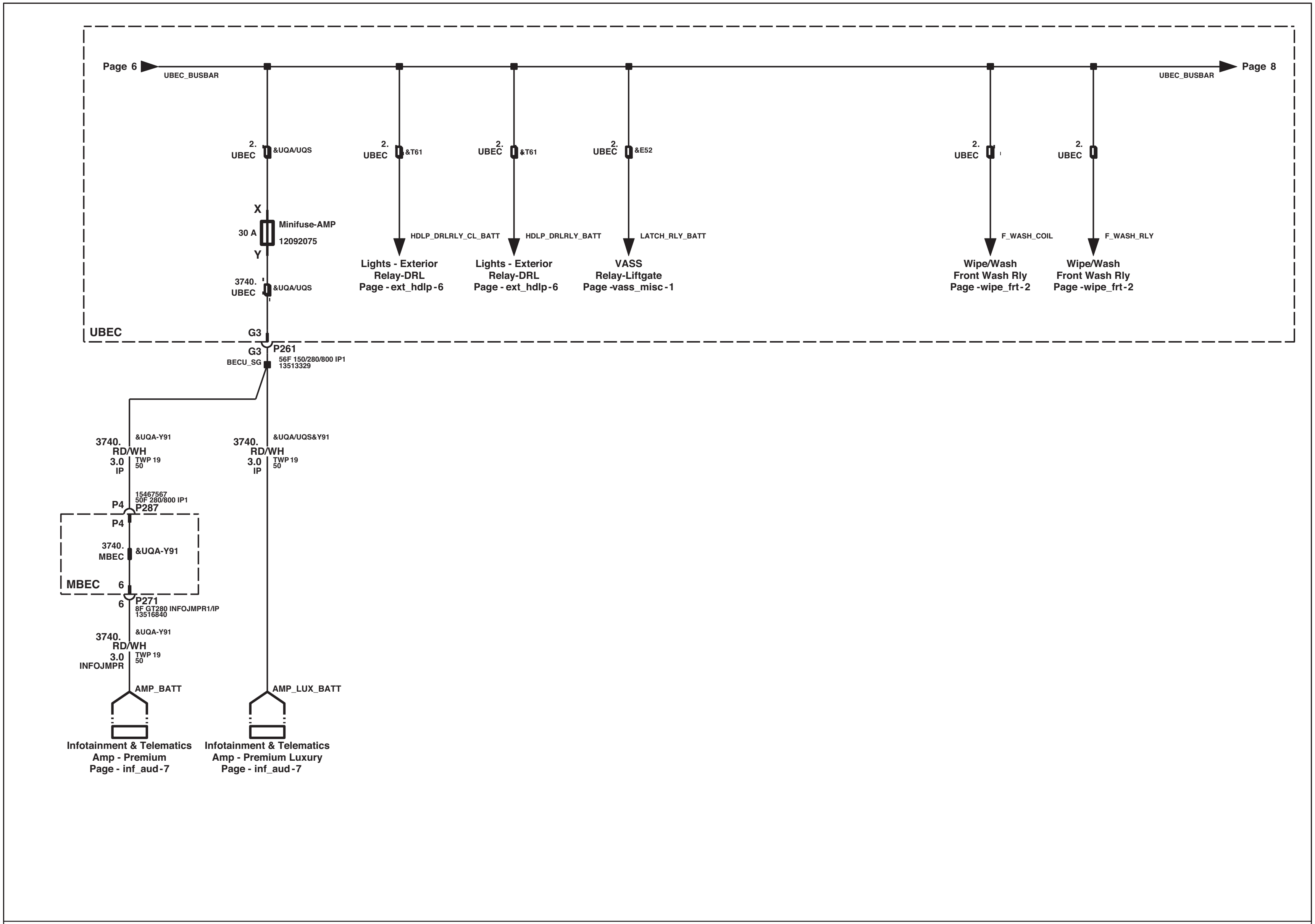
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Relay-DRL
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&E52
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Relay-Liftgate
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Wipe/Wash
Front Wash Rly
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Wipe/Wash
Front Wash Rly
Page -wipe_frt - 2
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&UQA/UQS&Y91
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50F 280/800 IP1
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&UQA-Y91
MBEC
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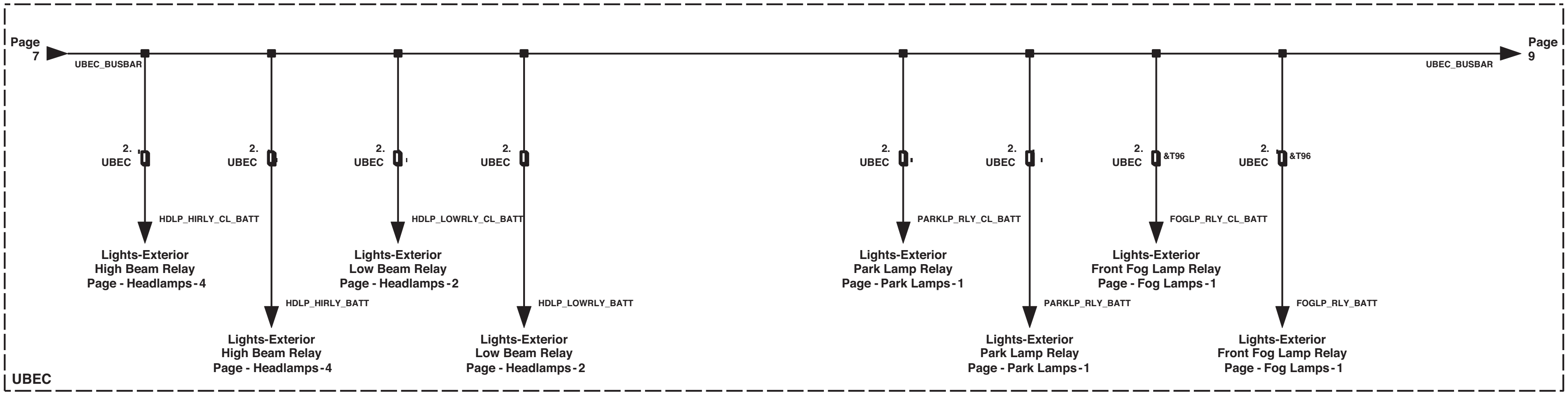
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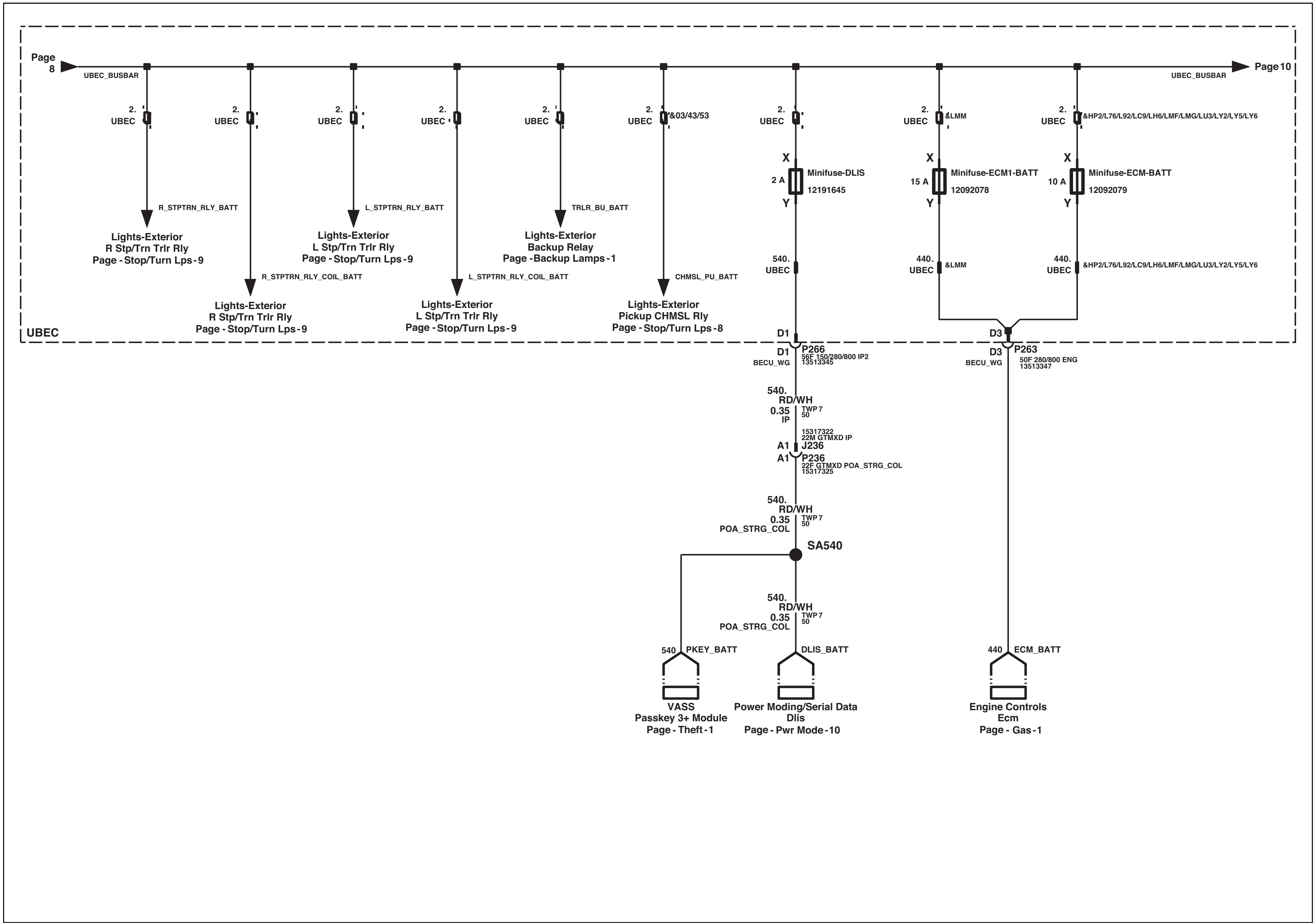
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Page - Stop/Turn Lps - 9
R_STPTRN_RLY_COIL_BATT
Lights-Exterior
R Stp/Trn Trlr Rly
Page - Stop/Turn Lps - 9
L_STPTRN_RLY_BATT
Lights-Exterior
L Stp/Trn Trlr Rly
Page - Stop/Turn Lps - 9
L_STPTRN_RLY_COIL_BATT
Lights-Exterior
L Stp/Trn Trlr Rly
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TRLR_BU_BATT
Lights-Exterior
Backup Relay
Page - Backup Lamps - 1
CHMSL_PU_BATT
Lights-Exterior
Pickup CHMSL Rly
Page - Stop/Turn Lps - 8
X
2 A
Minifuse-DLIS
12191645
Y
X
15 A
Minifuse-ECM1-BATT
12092078
Y
X
10 A
Minifuse-ECM-BATT
12092079
Y
540.
UBEC
440.
UBEC
&LMM
440.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
UBEC
D1
D1
P266
56F 150/280/800 IP2
13513345
BECU_WG
D3
D3
P263
50F 280/800 ENG
13513347
BECU_WG
540.
RD/WH
0.35
IP
TWP 7
50
15317322
22M GTMXD IP
A1 J236
A1 P236
22F GTMXD POA_STRG_COL
15317325
540.
RD/WH
0.35
POA_STRG_COL
TWP 7
50
SA540
540.
RD/WH
0.35
POA_STRG_COL
TWP 7
50
540 PKEY_BATT
DLIS_BATT
440 ECM_BATT
VASS
Passkey 3+ Module
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Power Moding/Serial Data
Dlis
Page - Pwr Mode - 10
Engine Controls
Ecm
Page - Gas - 1

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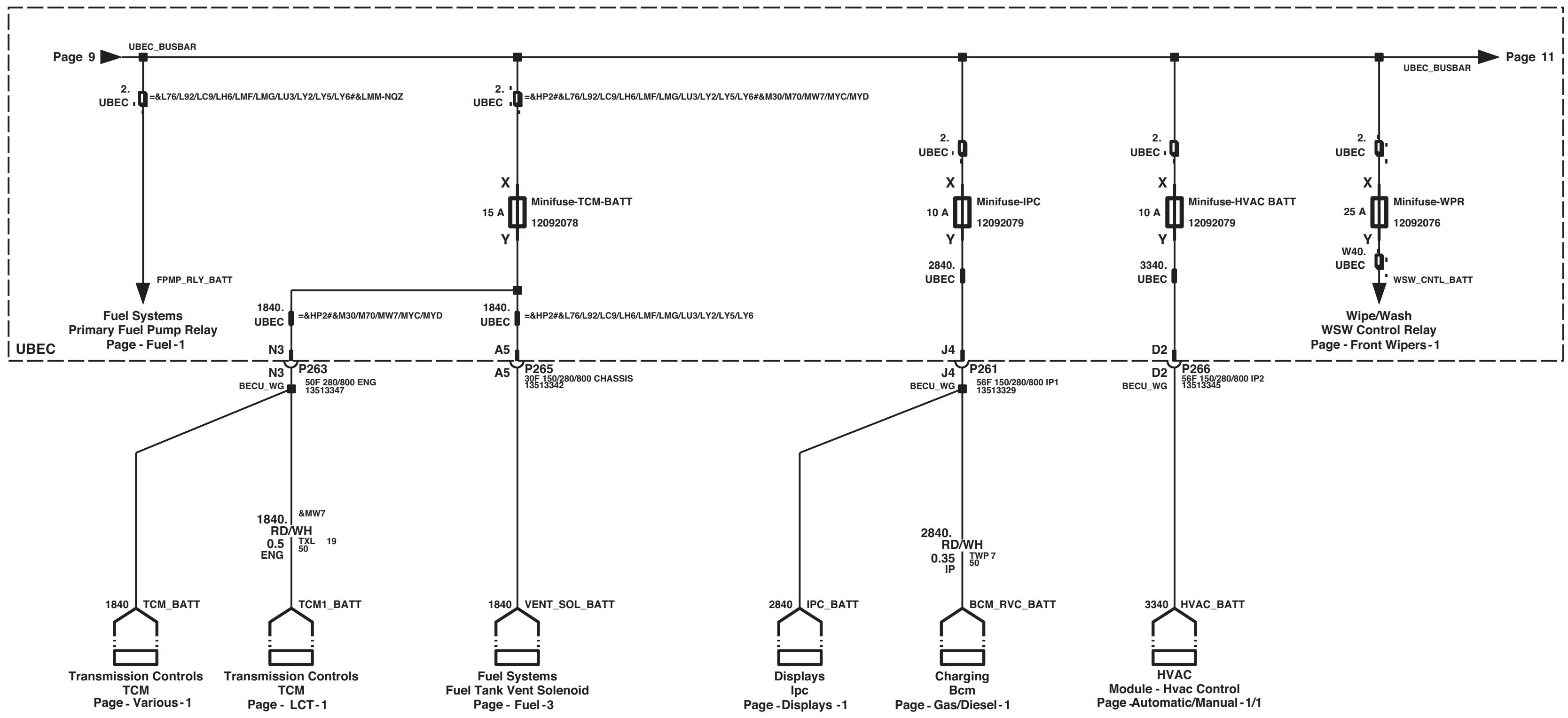
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UBEC_BUSBAR
Page 11
UBEC_BUSBAR
2.
UBEC
=&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6#&LMM-NQZ
FPMP_RLY_BATT
Fuel Systems
Primary Fuel Pump Relay
Page - Fuel - 1
2.
UBEC
=&HP2#&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6#&M30/M70/MW7/MYC/MYD
X
15 A
Minifuse-TCM-BATT
12092078
Y
1840.
UBEC
=&HP2#&M30/M70/MW7/MYC/MYD
1840.
UBEC
=&HP2#&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
UBEC
N3
N3
P263
BECU_WG
50F 280/800 ENG
13513347
A5
A5
P265
30F 150/280/800 CHASSIS
13513342
2.
UBEC
X
10 A
Minifuse-IPC
12092079
Y
2840.
UBEC
J4
J4
P261
BECU_WG
56F 150/280/800 IP1
13513329
2.
UBEC
X
10 A
Minifuse-HVAC BATT
12092079
Y
3340.
UBEC
D2
D2
P266
BECU_WG
56F 150/280/800 IP2
13513345
2.
UBEC
X
25 A
Minifuse-WPR
12092076
Y
W40.
UBEC
WSW_CNTL_BATT
Wipe/Wash
WSW Control Relay
Page - Front Wipers - 1
1840.
&MW7
RD/WH
0.5
ENG
TXL
50
19
2840.
RD/WH
0.35
IP
TWP 7
50
1840 TCM_BATT
TCM1_BATT
1840 VENT_SOL_BATT
2840 IPC_BATT
BCM_RVC_BATT
3340 HVAC_BATT
Transmission Controls
TCM
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Transmission Controls
TCM
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Fuel Tank Vent Solenoid
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Ipc
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Bcm
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HVAC
Module - Hvac Control
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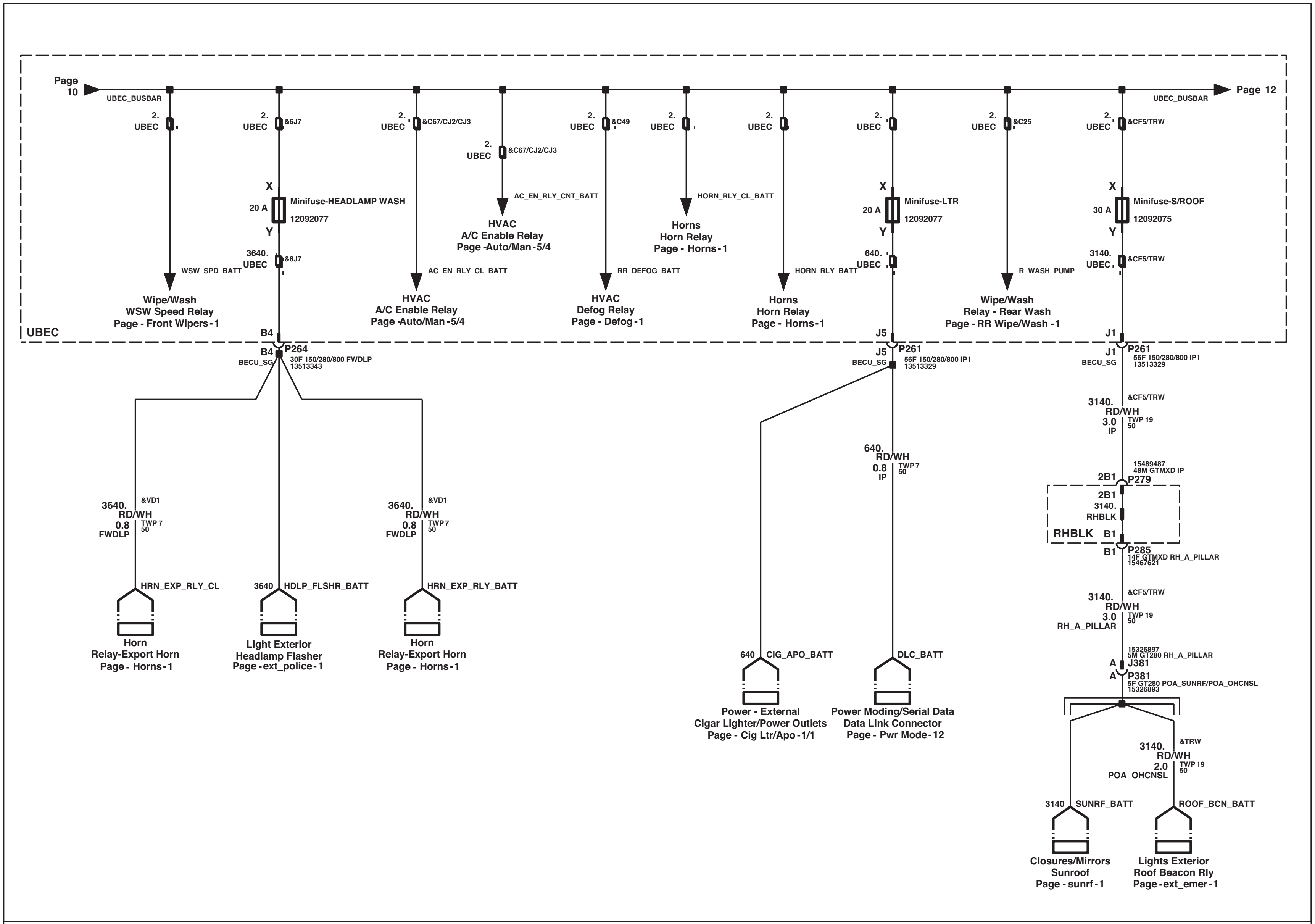
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UBEC_BUSBAR
Page 12
UBEC_BUSBAR
2. UBEC
2. UBEC &6J7
2. UBEC &C67/CJ2/CJ3
2. UBEC &C67/CJ2/CJ3
2. UBEC &C49
2. UBEC
2. UBEC
2. UBEC
2. UBEC &C25
2. UBEC &CF5/TRW
X
20 A
Minifuse-HEADLAMP WASH
12092077
Y
3640. UBEC &6J7
AC_EN_RLY_CNT_BATT
HVAC
A/C Enable Relay
Page -Auto/Man - 5/4
HORN_RLY_CL_BATT
Horns
Horn Relay
Page - Horns - 1
X
20 A
Minifuse-LTR
12092077
Y
640. UBEC
X
30 A
Minifuse-S/ROOF
12092075
Y
3140. UBEC &CF5/TRW
WSW_SPD_BATT
AC_EN_RLY_CL_BATT
RR_DEFOG_BATT
HORN_RLY_BATT
R_WASH_PUMP
Wipe/Wash
WSW Speed Relay
Page - Front Wipers - 1
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A/C Enable Relay
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HVAC
Defog Relay
Page - Defog - 1
Horns
Horn Relay
Page - Horns - 1
Wipe/Wash
Relay - Rear Wash
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UBEC
B4
B4 P264
BECU_SG
30F 150/280/800 FWDLP
13513343
J5
J5 P261
BECU_SG
56F 150/280/800 IP1
13513329
J1
J1 P261
BECU_SG
56F 150/280/800 IP1
13513329
3140. &CF5/TRW
RD/WH
3.0 TWP 19
50
IP
640.
RD/WH
0.8 TWP 7
50
IP
15489487
48M GTMXD IP
2B1 P279
2B1
3140.
RHBLK
RHBLK B1
B1 P285
14F GTMXD RH_A_PILLAR
15467621
3640. &VD1
RD/WH
0.8 TWP 7
50
FWDLP
3640. &VD1
RD/WH
0.8 TWP 7
50
FWDLP
HRN_EXP_RLY_CL
3640 HDLP_FLSHR_BATT
HRN_EXP_RLY_BATT
Horn
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Light Exterior
Headlamp Flasher
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Horn
Relay-Export Horn
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3140. &CF5/TRW
RD/WH
3.0 TWP 19
50
RH_A_PILLAR
15326897
5M GT280 RH_A_PILLAR
A J381
A P381
5F GT280 POA_SUNRF/POA_OHCNSL
15326893
640 CIG_APO_BATT
DLC_BATT
Power - External
Cigar Lighter/Power Outlets
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Power Moding/Serial Data
Data Link Connector
Page - Pwr Mode - 12
3140. &TRW
RD/WH
2.0 TWP 19
50
POA_OHCNSL
3140 SUNRF_BATT
ROOF_BCN_BATT
Closures/Mirrors
Sunroof
Page - sunrf - 1
Lights Exterior
Roof Beacon Rly
Page - ext_emer - 1

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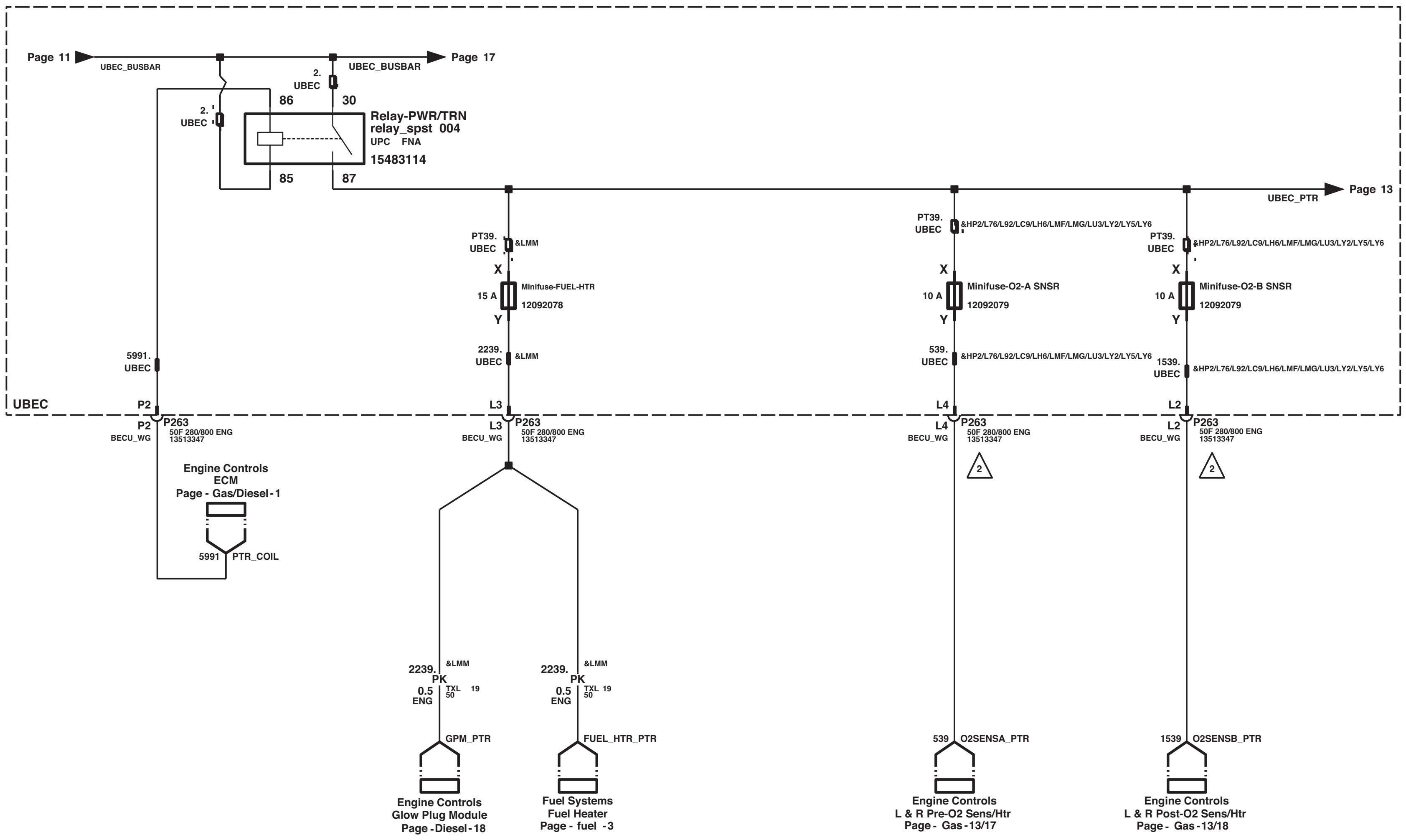
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UBEC_BUSBAR
UBEC_BUSBAR
Page 17
2.
UBEC
2.
UBEC
86
30
Relay-PWR/TRN
relay_spst 004
UPC FNA
15483114
85
87
Page 13
UBEC_PTR
PT39.
UBEC
&LMM
X
Minifuse-FUEL-HTR
15 A
12092078
Y
2239.
UBEC
&LMM
PT39.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
X
Minifuse-O2-A SNSR
10 A
12092079
Y
539.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
PT39.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
X
Minifuse-O2-B SNSR
10 A
12092079
Y
1539.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
5991.
UBEC
UBEC
P2
P2
P263
BECU_WG
50F 280/800 ENG
13513347
L3
L3
P263
BECU_WG
50F 280/800 ENG
13513347
L4
L4
P263
BECU_WG
50F 280/800 ENG
13513347
2
L2
L2
P263
BECU_WG
50F 280/800 ENG
13513347
2
Engine Controls
ECM
Page - Gas/Diesel - 1
5991 PTR_COIL
2239. &LMM
PK
0.5 TXL 19
ENG 50
2239. &LMM
PK
0.5 TXL 19
ENG 50
GPM_PTR
FUEL_HTR_PTR
539 O2SENSA_PTR
1539 O2SENSB_PTR
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Glow Plug Module
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Fuel Heater
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L & R Pre-O2 Sens/Htr
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L & R Post-O2 Sens/Htr
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NOTES
- 2 – THIS IS A DOUBLE CRIMP AT UBEC FOR GAS.

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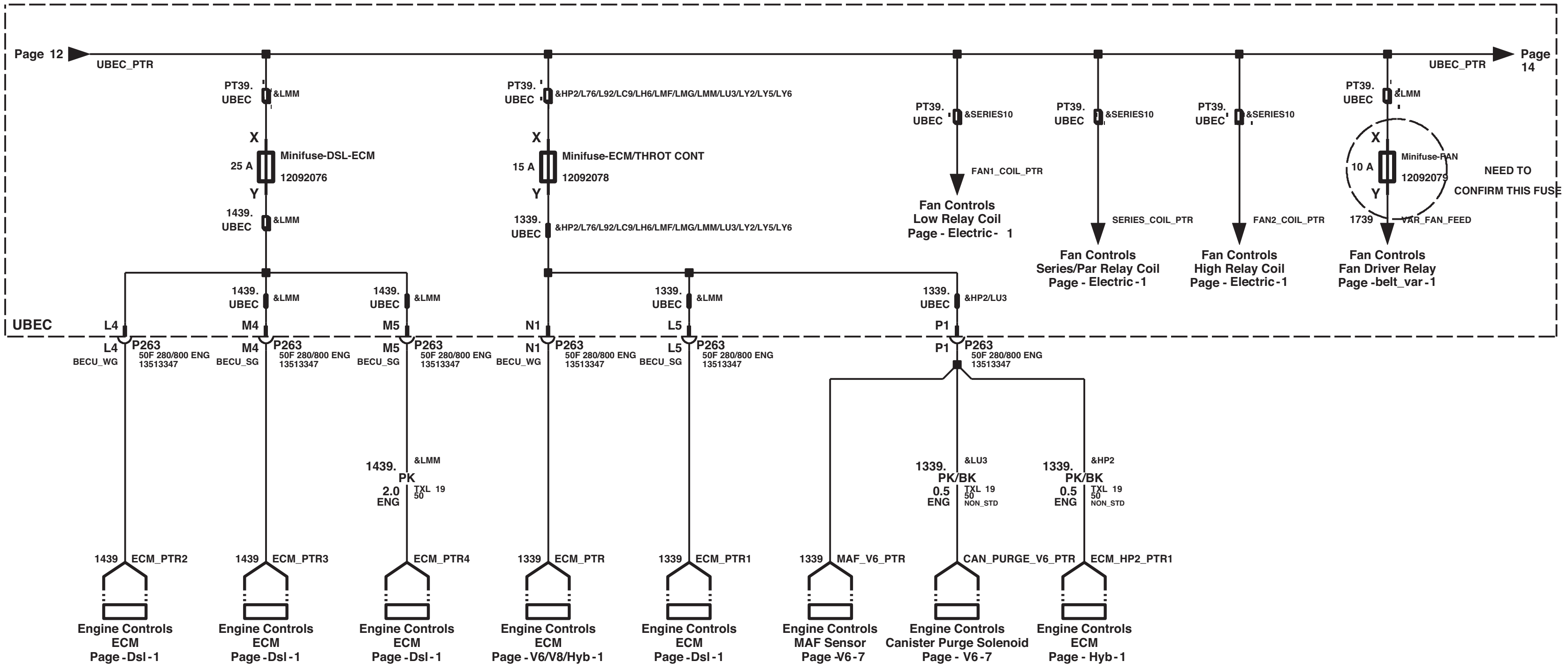
Page 12
UBEC_PTR
PT39.
UBEC
&LMM
X
25 A
Minifuse-DSL-ECM
12092076
Y
1439.
UBEC
&LMM
PT39.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LMM/LU3/LY2/LY5/LY6
X
15 A
Minifuse-ECM/THROT CONT
12092078
Y
1339.
UBEC
&HP2/L76/L92/LC9/LH6/LMF/LMG/LMM/LU3/LY2/LY5/LY6
PT39.
UBEC
&SERIES10
FAN1_COIL_PTR
Fan Controls
Low Relay Coil
Page - Electric - 1
PT39.
UBEC
&SERIES10
SERIES_COIL_PTR
Fan Controls
Series/Par Relay Coil
Page - Electric - 1
PT39.
UBEC
&SERIES10
FAN2_COIL_PTR
Fan Controls
High Relay Coil
Page - Electric - 1
UBEC_PTR
Page 14
PT39.
UBEC
&LMM
X
10 A
Minifuse-FAN
12092079
Y
NEED TO
CONFIRM THIS FUSE
1739
VAR_FAN_FEED
Fan Controls
Fan Driver Relay
Page -belt_var - 1
1439.
UBEC
&LMM
1439.
UBEC
&LMM
1339.
UBEC
&LMM
1339.
UBEC
&HP2/LU3
UBEC
L4
L4
BECU_WG
P263
50F 280/800 ENG
13513347
M4
M4
BECU_SG
P263
50F 280/800 ENG
13513347
M5
M5
BECU_SG
P263
50F 280/800 ENG
13513347
N1
N1
BECU_WG
P263
50F 280/800 ENG
13513347
L5
L5
BECU_SG
P263
50F 280/800 ENG
13513347
P1
P1
P263
50F 280/800 ENG
13513347
1439.
&LMM
PK
2.0
ENG
TXL 19
50
1339.
&LU3
PK/BK
0.5
ENG
TXL 19
50
NON_STD
1339.
&HP2
PK/BK
0.5
ENG
TXL 19
50
NON_STD
1439
ECM_PTR2
Engine Controls
ECM
Page - Dsl - 1
1439
ECM_PTR3
Engine Controls
ECM
Page - Dsl - 1
ECM_PTR4
Engine Controls
ECM
Page - Dsl - 1
1339
ECM_PTR
Engine Controls
ECM
Page - V6/V8/Hyb - 1
1339
ECM_PTR1
Engine Controls
ECM
Page - Dsl - 1
1339
MAF_V6_PTR
Engine Controls
MAF Sensor
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CAN_PURGE_V6_PTR
Engine Controls
Canister Purge Solenoid
Page - V6 - 7
ECM_HP2_PTR1
Engine Controls
ECM
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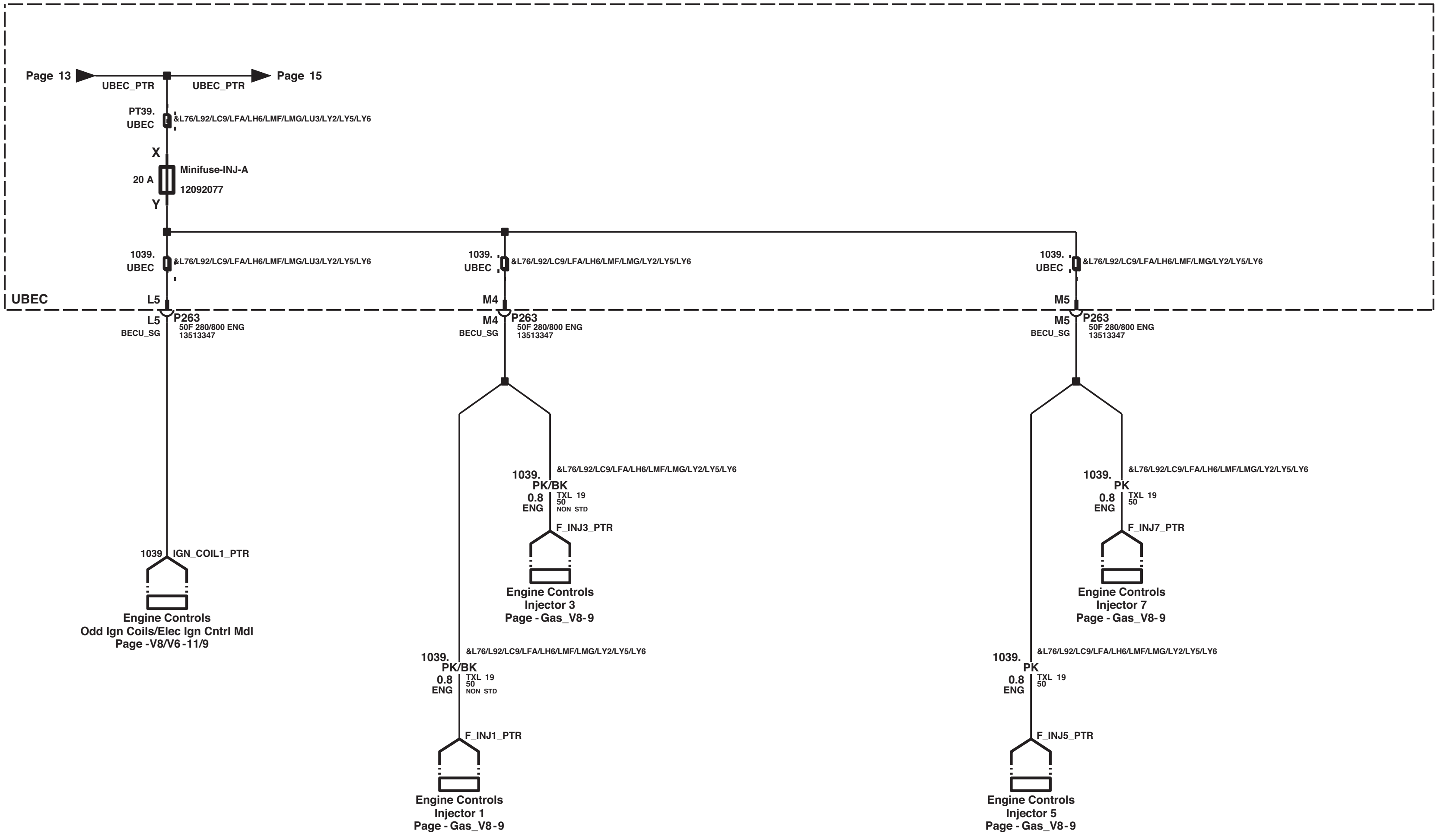
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UBEC_PTR
UBEC_PTR
Page 15
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&L76/L92/LC9/LFA/LH6/LMF/LMG/LU3/LY2/LY5/LY6
X
20 A
Minifuse-INJ-A
12092077
Y
1039.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LU3/LY2/LY5/LY6
1039.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1039.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
UBEC
L5
L5
P263
BECU_SG
50F 280/800 ENG
13513347
M4
M4
P263
BECU_SG
50F 280/800 ENG
13513347
M5
M5
P263
BECU_SG
50F 280/800 ENG
13513347
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1039.
PK/BK
0.8
ENG
TXL 19
50
NON_STD
F_INJ3_PTR
Engine Controls
Injector 3
Page - Gas_V8-9
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1039.
PK
0.8
ENG
TXL 19
50
F_INJ7_PTR
Engine Controls
Injector 7
Page - Gas_V8-9
1039
IGN_COIL1_PTR
Engine Controls
Odd Ign Coils/Elec Ign Cntrl Mdl
Page -V8/V6 -11/9
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1039.
PK/BK
0.8
ENG
TXL 19
50
NON_STD
F_INJ1_PTR
Engine Controls
Injector 1
Page - Gas_V8-9
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1039.
PK
0.8
ENG
TXL 19
50
F_INJ5_PTR
Engine Controls
Injector 5
Page - Gas_V8-9

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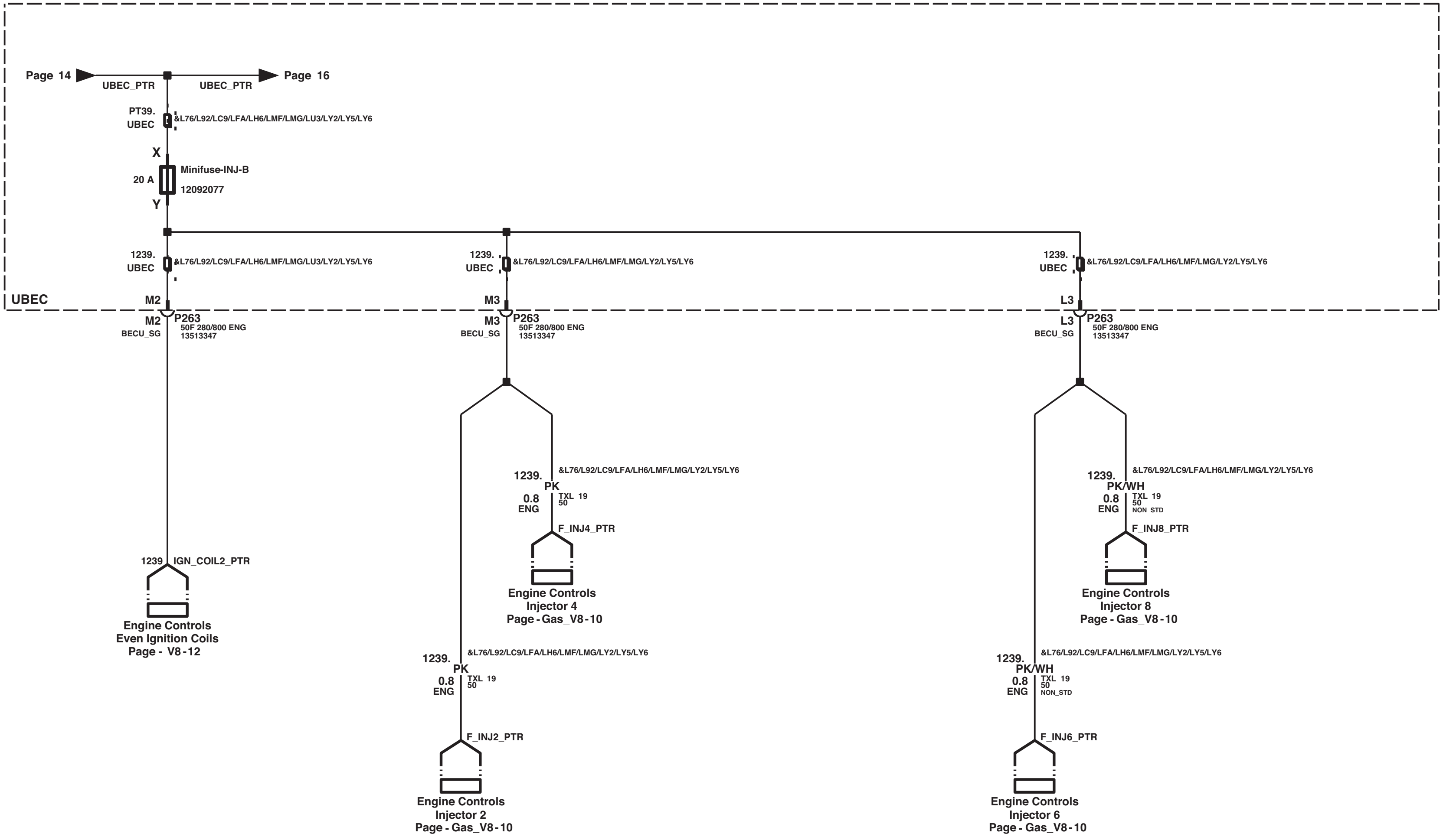
Page 14
UBEC_PTR
UBEC_PTR
Page 16
PT39.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LU3/LY2/LY5/LY6
X
20 A
Minifuse-INJ-B
12092077
Y
1239.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LU3/LY2/LY5/LY6
1239.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1239.
UBEC
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
UBEC
M2
M3
L3
M2
P263
BECU_SG
50F 280/800 ENG
13513347
M3
P263
BECU_SG
50F 280/800 ENG
13513347
L3
P263
BECU_SG
50F 280/800 ENG
13513347
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1239.
PK
0.8
ENG
TXL 19
50
F_INJ4_PTR
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1239.
PK/WH
0.8
ENG
TXL 19
50
NON_STD
F_INJ8_PTR
1239
IGN_COIL2_PTR
Engine Controls
Even Ignition Coils
Page - V8-12
Engine Controls
Injector 4
Page - Gas_V8-10
Engine Controls
Injector 8
Page - Gas_V8-10
1239.
PK
0.8
ENG
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
TXL 19
50
F_INJ2_PTR
1239.
PK/WH
0.8
ENG
&L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
TXL 19
50
NON_STD
F_INJ6_PTR
Engine Controls
Injector 2
Page - Gas_V8-10
Engine Controls
Injector 6
Page - Gas_V8-10

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2008
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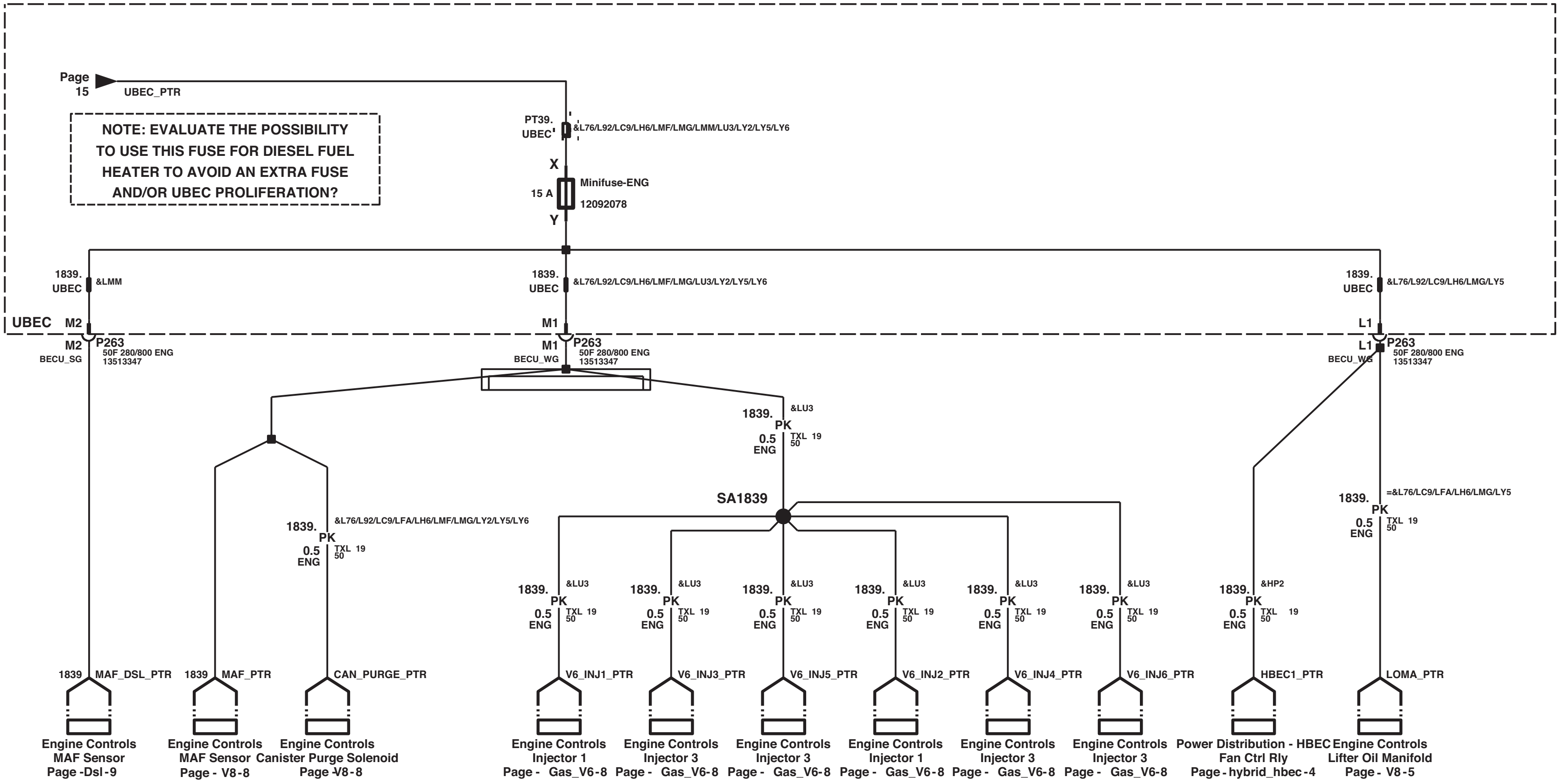

NOTE: EVALUATE THE POSSIBILITY TO USE THIS FUSE FOR DIESEL FUEL HEATER TO AVOID AN EXTRA FUSE AND/OR UBEC PROLIFERATION?

Page 15
UBEC_PTR
PT39. UBEC
&L76/L92/LC9/LH6/LMF/LMG/LMM/LU3/LY2/LY5/LY6
X
15 A
Minifuse-ENG
12092078
Y
1839. UBEC
&LMM
1839. UBEC
&L76/L92/LC9/LH6/LMF/LMG/LU3/LY2/LY5/LY6
1839. UBEC
&L76/L92/LC9/LH6/LMG/LY5
UBEC
M2
M1
L1
M2 P263 50F 280/800 ENG 13513347
BECU_SG
M1 P263 50F 280/800 ENG 13513347
BECU_WG
L1 P263 50F 280/800 ENG 13513347
BECU_WG
1839. PK 0.5 ENG TXL 19 50 &LU3
SA1839
1839. PK 0.5 ENG TXL 19 50 &L76/L92/LC9/LFA/LH6/LMF/LMG/LY2/LY5/LY6
1839. PK 0.5 ENG TXL 19 50 =&L76/LC9/LFA/LH6/LMG/LY5
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &LU3
1839. PK 0.5 ENG TXL 19 50 &HP2
1839 MAF_DSL_PTR
1839 MAF_PTR
CAN_PURGE_PTR
V6_INJ1_PTR
V6_INJ3_PTR
V6_INJ5_PTR
V6_INJ2_PTR
V6_INJ4_PTR
V6_INJ6_PTR
HBEC1_PTR
LOMA_PTR
Engine Controls MAF Sensor Page -Dsl - 9
Engine Controls MAF Sensor Page - V8 - 8
Engine Controls Canister Purge Solenoid Page -V8 - 8
Engine Controls Injector 1 Page - Gas_V6 - 8
Engine Controls Injector 3 Page - Gas_V6 - 8
Engine Controls Injector 3 Page - Gas_V6 - 8
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Engine Controls Injector 3 Page - Gas_V6 - 8
Engine Controls Injector 3 Page - Gas_V6 - 8
Power Distribution - HBEC Fan Ctrl Rly Page - hybrid_hbec - 4
Engine Controls Lifter Oil Manifold Page - V8 - 5

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2008
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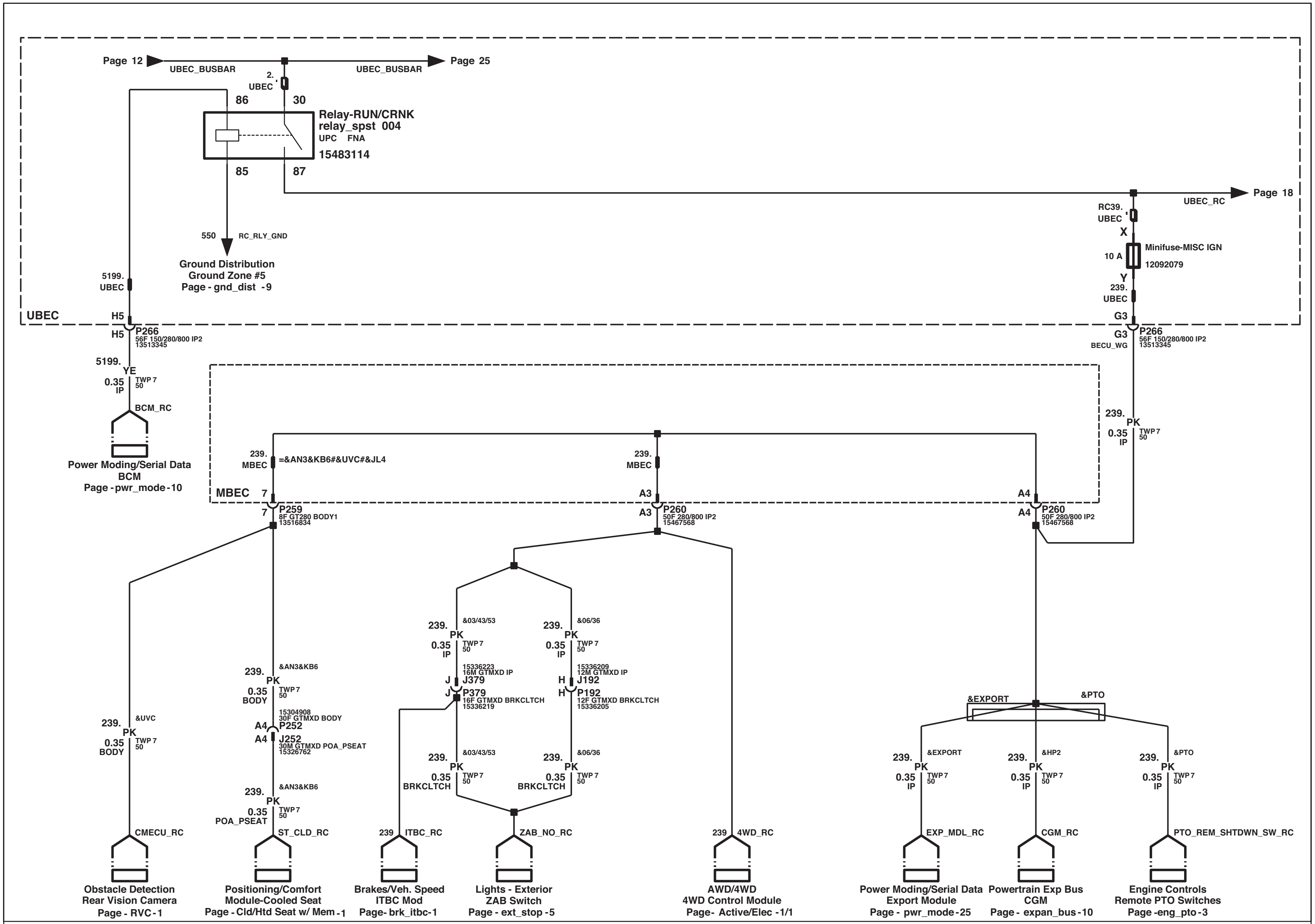
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UBEC_BUSBAR
Page 25
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86
30
Relay-RUN/CRNK
relay_spst 004
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15483114
85
87
550
RC_RLY_GND
Ground Distribution
Ground Zone #5
Page - gnd_dist - 9
5199.
UBEC
UBEC
H5
H5
P266
56F 150/280/800 IP2
13513345
5199.
YE
0.35
IP
TWP 7
50
BCM_RC
Power Moding/Serial Data
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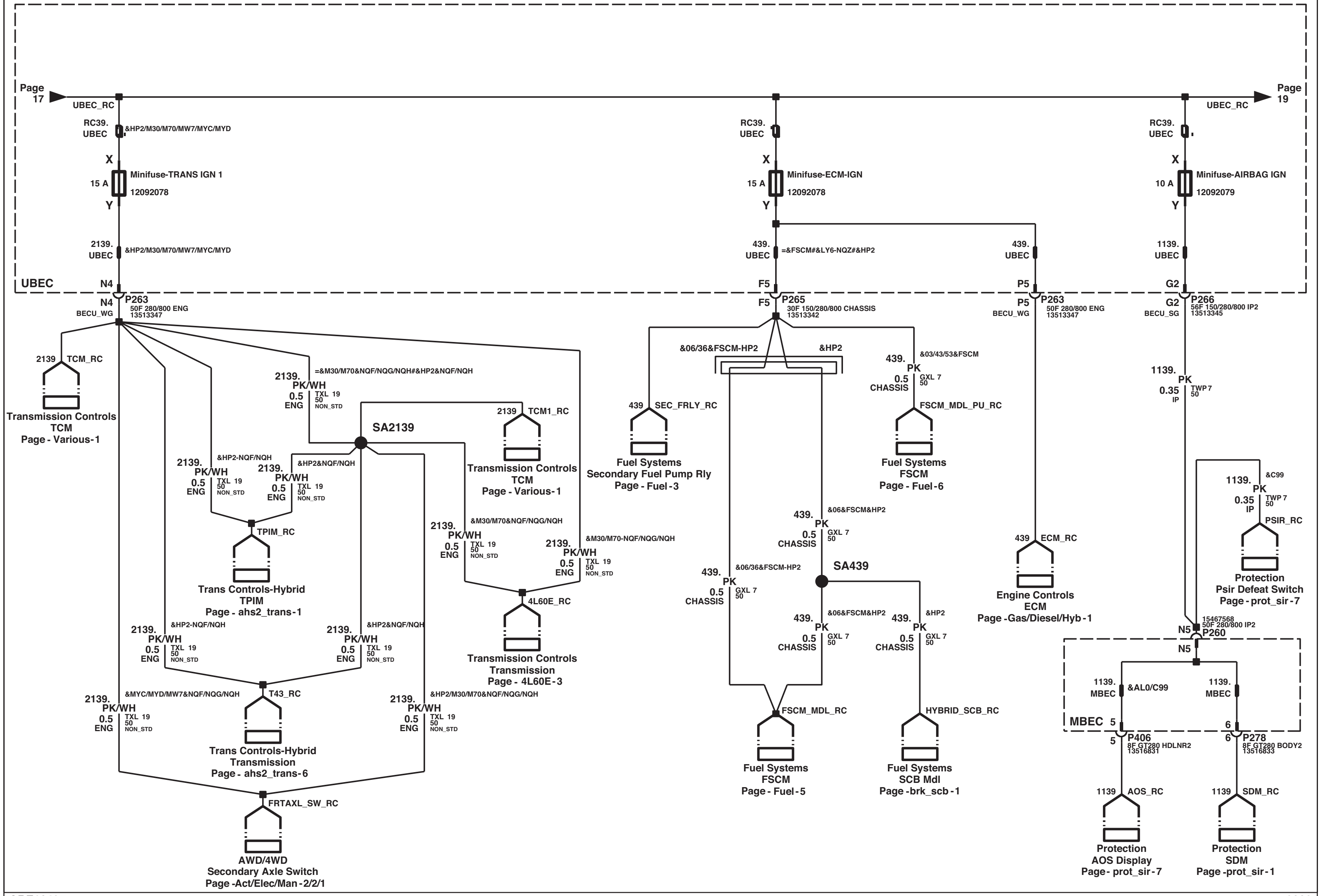
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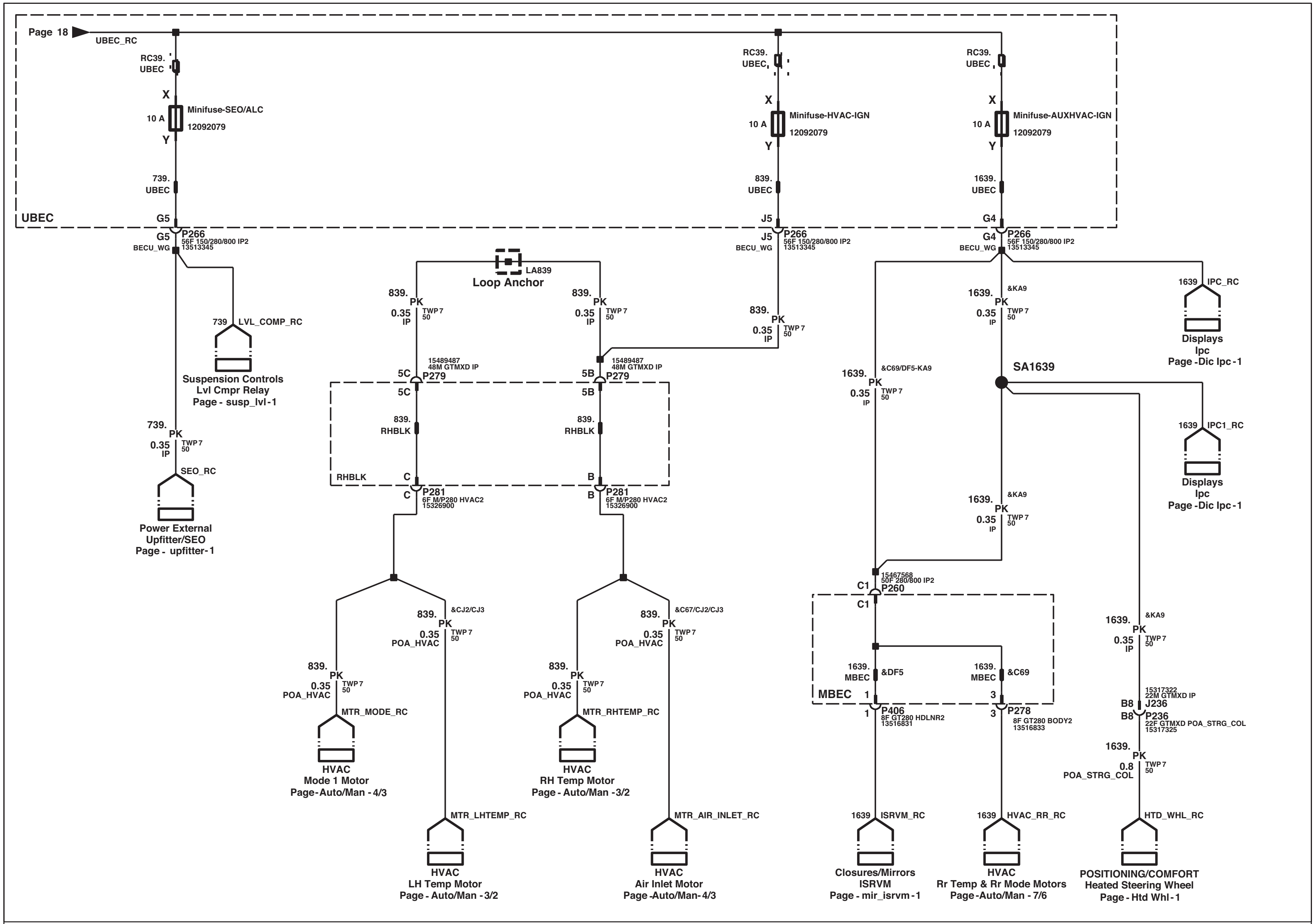
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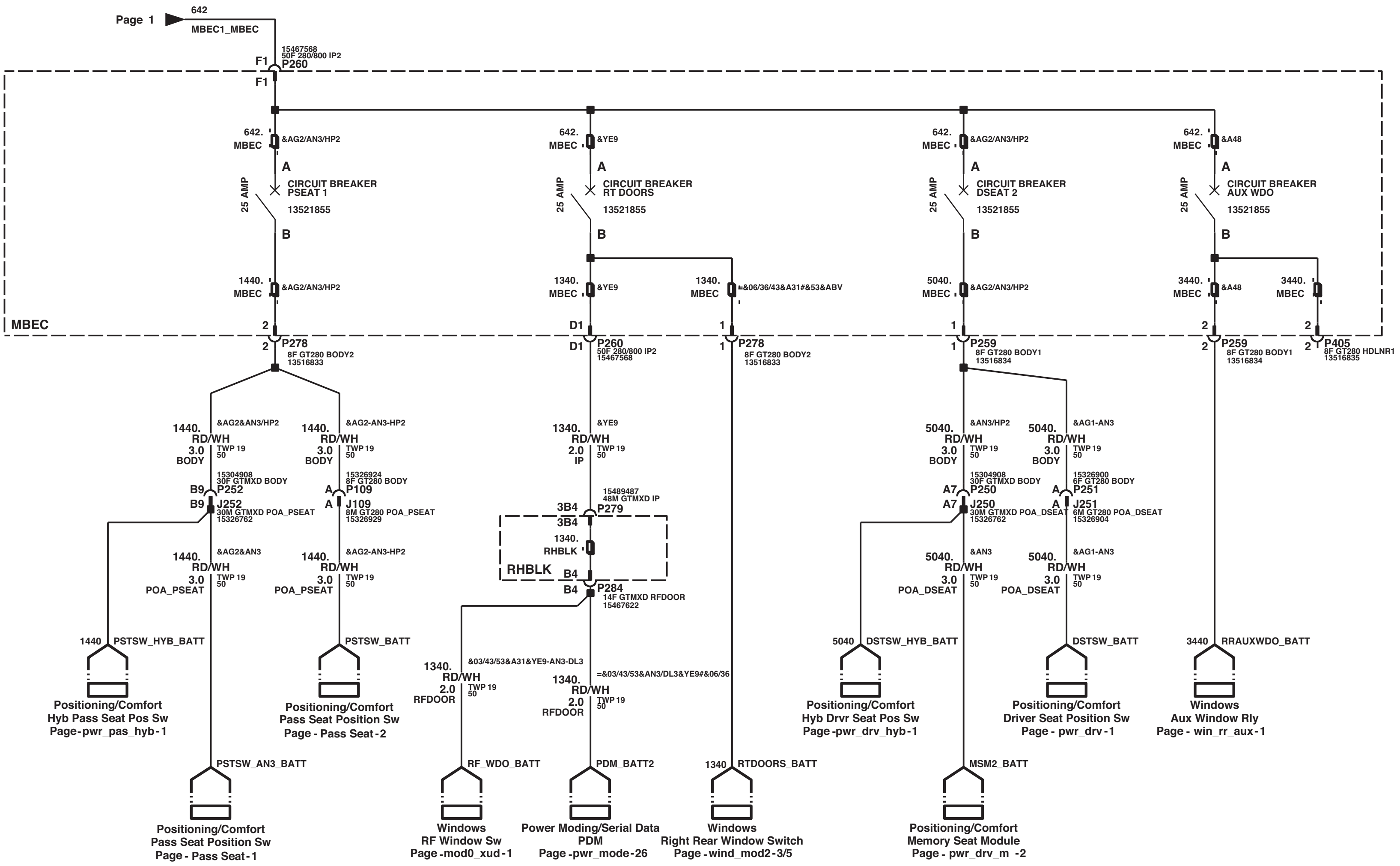
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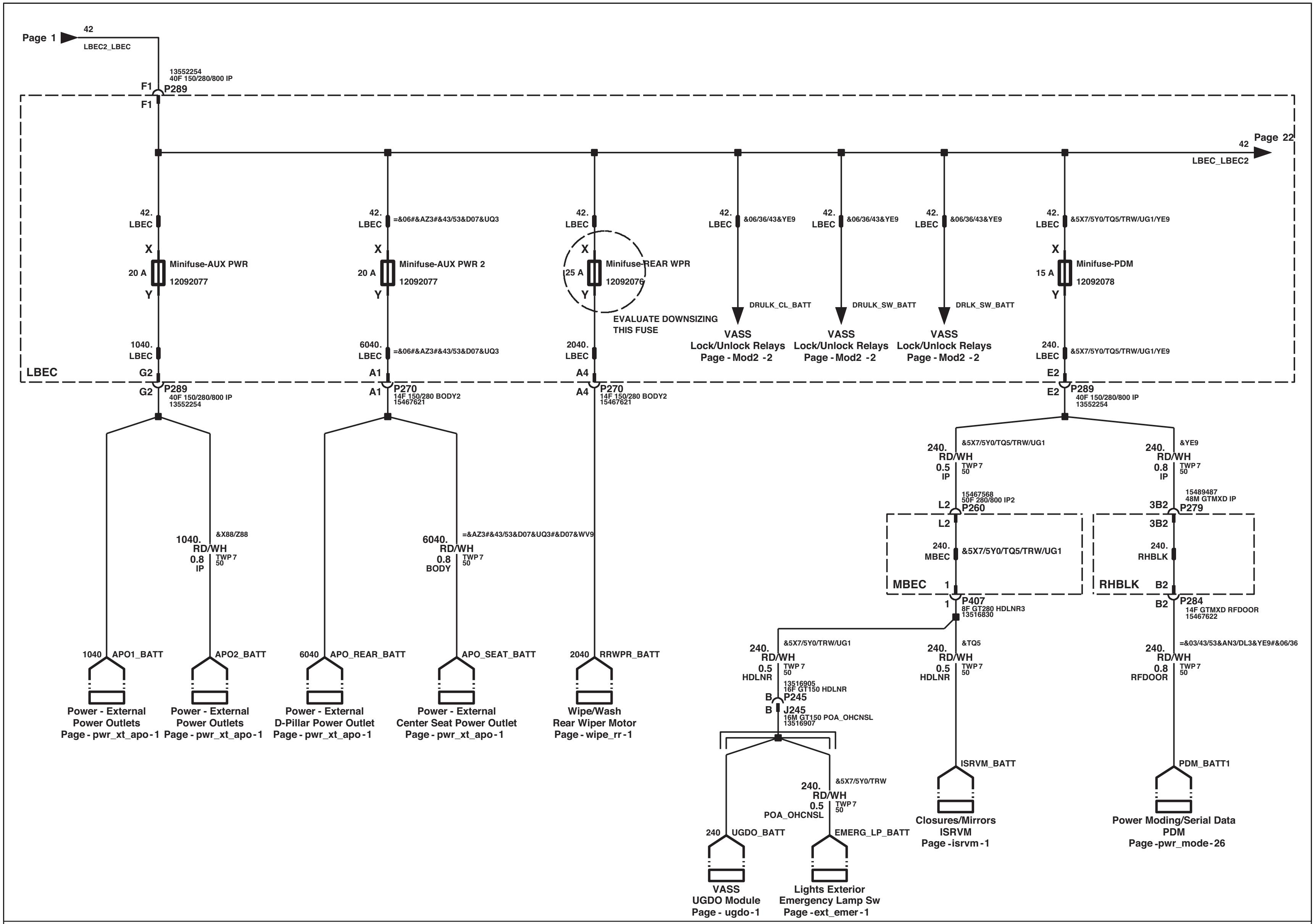
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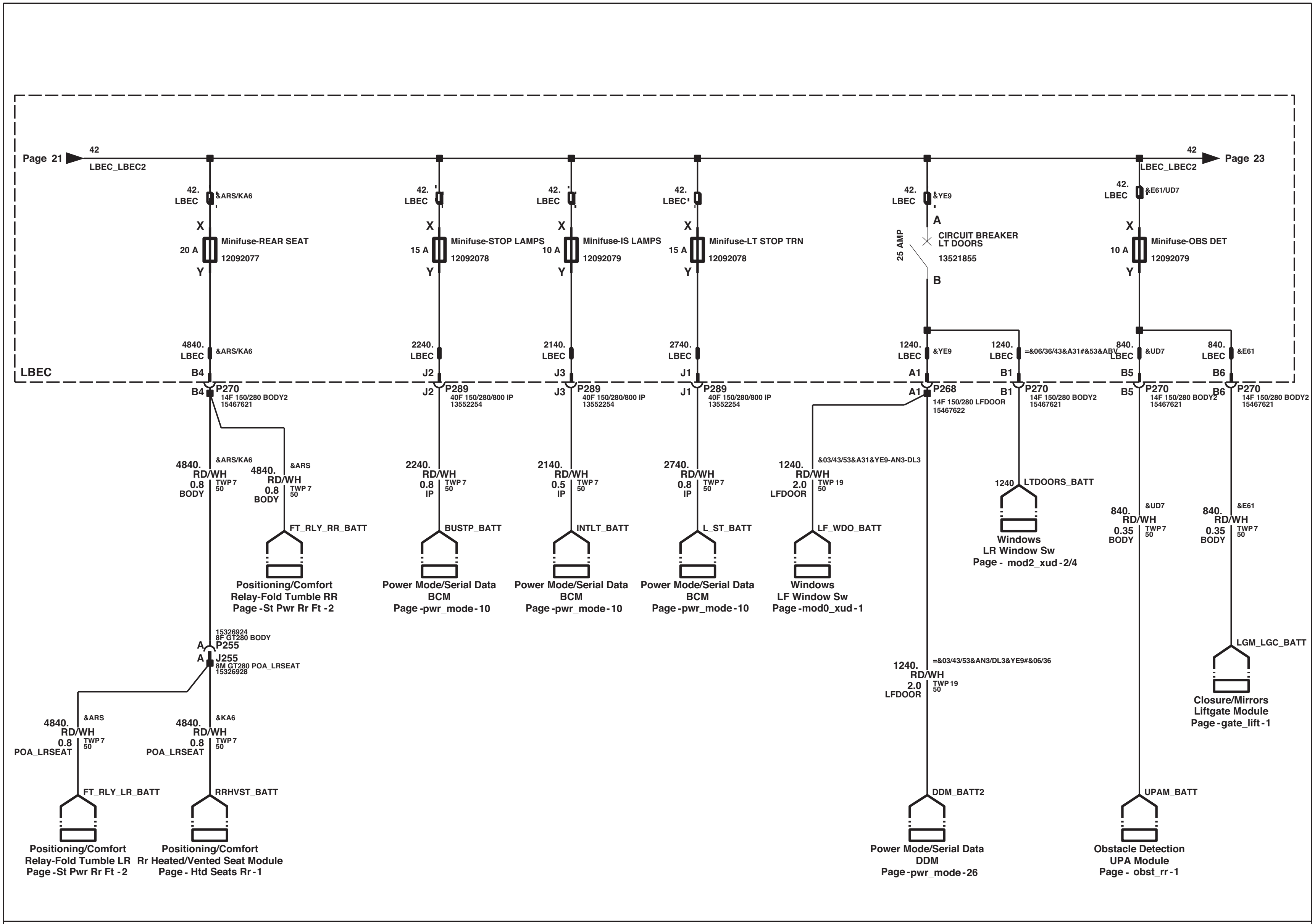
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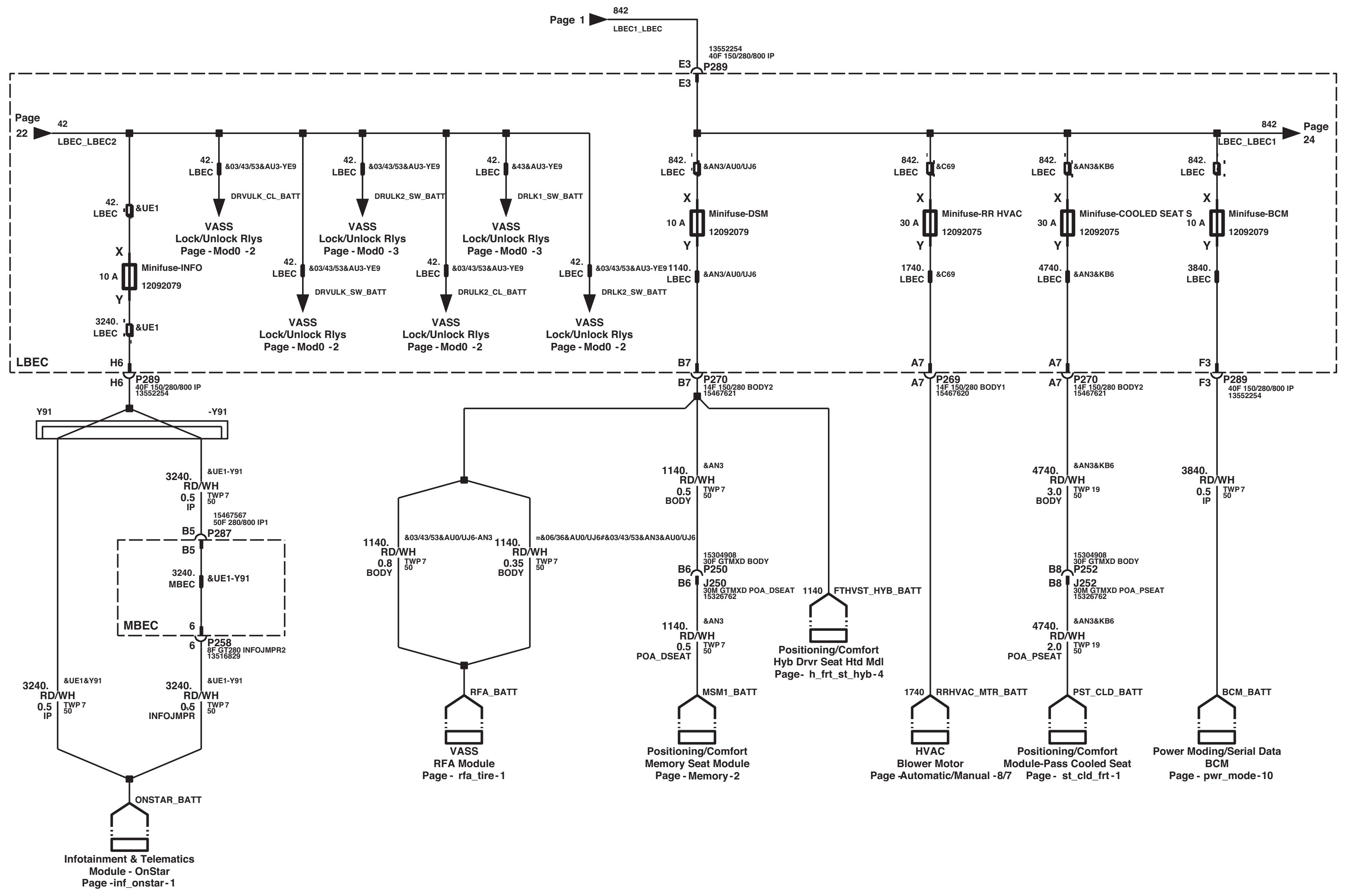
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40F 150/280/800 IP
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E3
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LBEC_LBEC2
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Page 24
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42. LBEC &UE1
X
10 A Minifuse-INFO 12092079
Y
3240. LBEC &UE1
42. LBEC &03/43/53&AU3-YE9
DRVULK_CL_BATT
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42. LBEC &03/43/53&AU3-YE9
DRVULK_SW_BATT
VASS Lock/Unlock Rlys Page - Mod0 -2
42. LBEC &03/43/53&AU3-YE9
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42. LBEC &03/43/53&AU3-YE9
DRULK2_CL_BATT
VASS Lock/Unlock Rlys Page - Mod0 -2
42. LBEC &43&AU3-YE9
DRLK1_SW_BATT
VASS Lock/Unlock Rlys Page - Mod0 -3
42. LBEC &03/43/53&AU3-YE9
DRLK2_SW_BATT
VASS Lock/Unlock Rlys Page - Mod0 -2
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10 A Minifuse-DSM 12092079
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842. LBEC &C69
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30 A Minifuse-RR HVAC 12092075
Y
1740. LBEC &C69
842. LBEC &AN3&KB6
X
30 A Minifuse-COOLED SEAT S 12092075
Y
4740. LBEC &AN3&KB6
842. LBEC
X
10 A Minifuse-BCM 12092079
Y
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LBEC
H6 P289 H6
40F 150/280/800 IP 13552254
B7 P270 B7
14F 150/280 BODY2 15467621
A7 P269 A7
14F 150/280 BODY1 15467620
A7 P270 A7
14F 150/280 BODY2 15467621
F3 P289 F3
40F 150/280/800 IP 13552254
Y91
-Y91
3240. RD/WH 0.5 IP &UE1-Y91 TWP 7 50
15467567 50F 280/800 IP1
B5 P287 B5
3240. MBEC &UE1-Y91
MBEC
6 P258 6
8F GT280 INFOJMPR2 13516829
3240. RD/WH 0.5 IP &UE1&Y91 TWP 7 50
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1140. RD/WH 0.8 BODY &03/43/53&AU0/UJ6-AN3 TWP 7 50
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15304908 30F GTMXD BODY
B8 P252
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30M GTMXD POA_PSEAT 15326762
4740. RD/WH 2.0 POA_PSEAT &AN3&KB6 TWP 19 50
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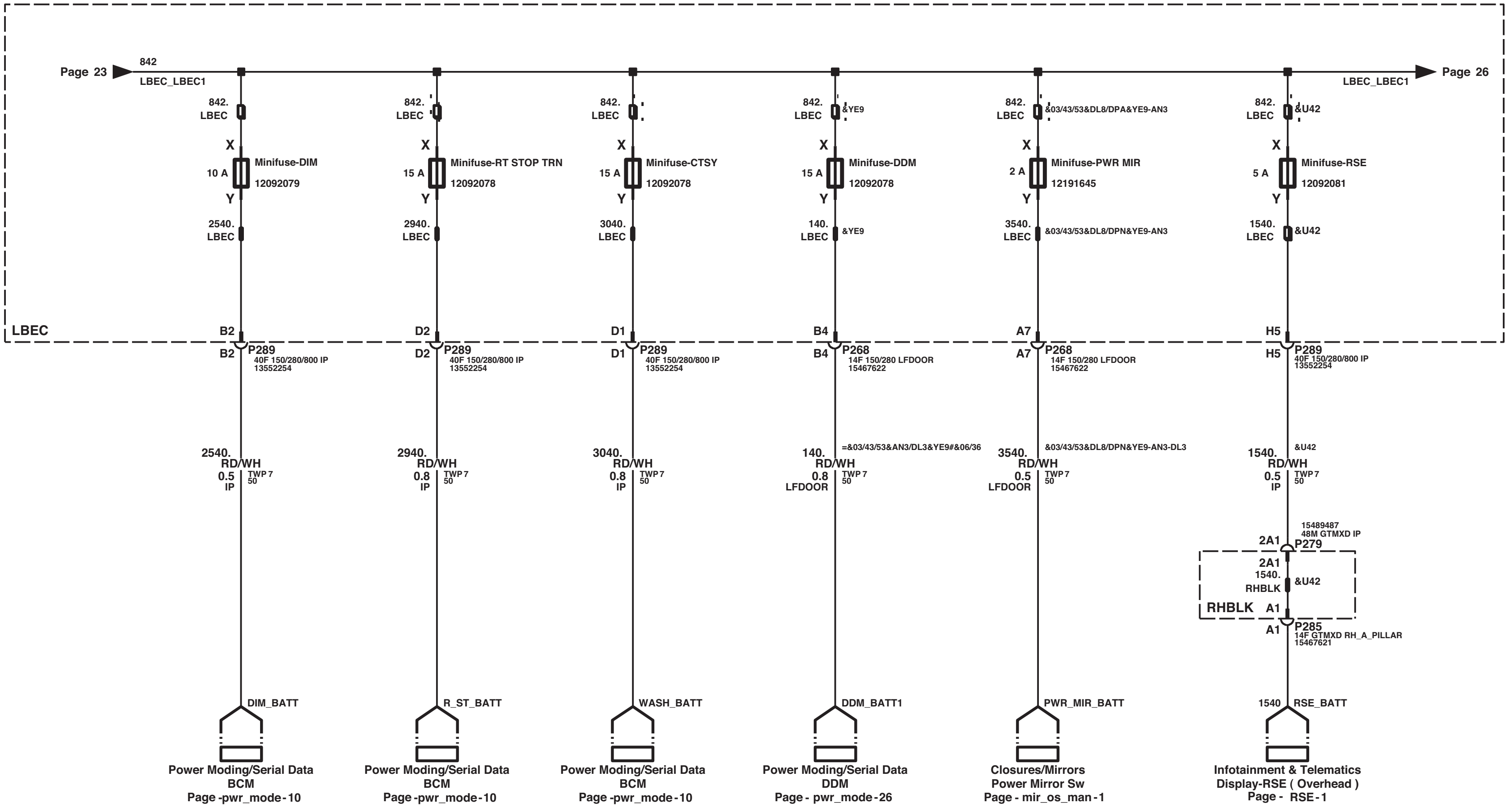
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LBEC
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LBEC
X
Minifuse-RT STOP TRN
15 A
12092078
Y
2940.
LBEC
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LBEC
X
Minifuse-CTSY
15 A
12092078
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LBEC
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LBEC
&YE9
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D2
D2
P289
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D1
D1
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40F 150/280/800 IP
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R_ST_BATT
WASH_BATT
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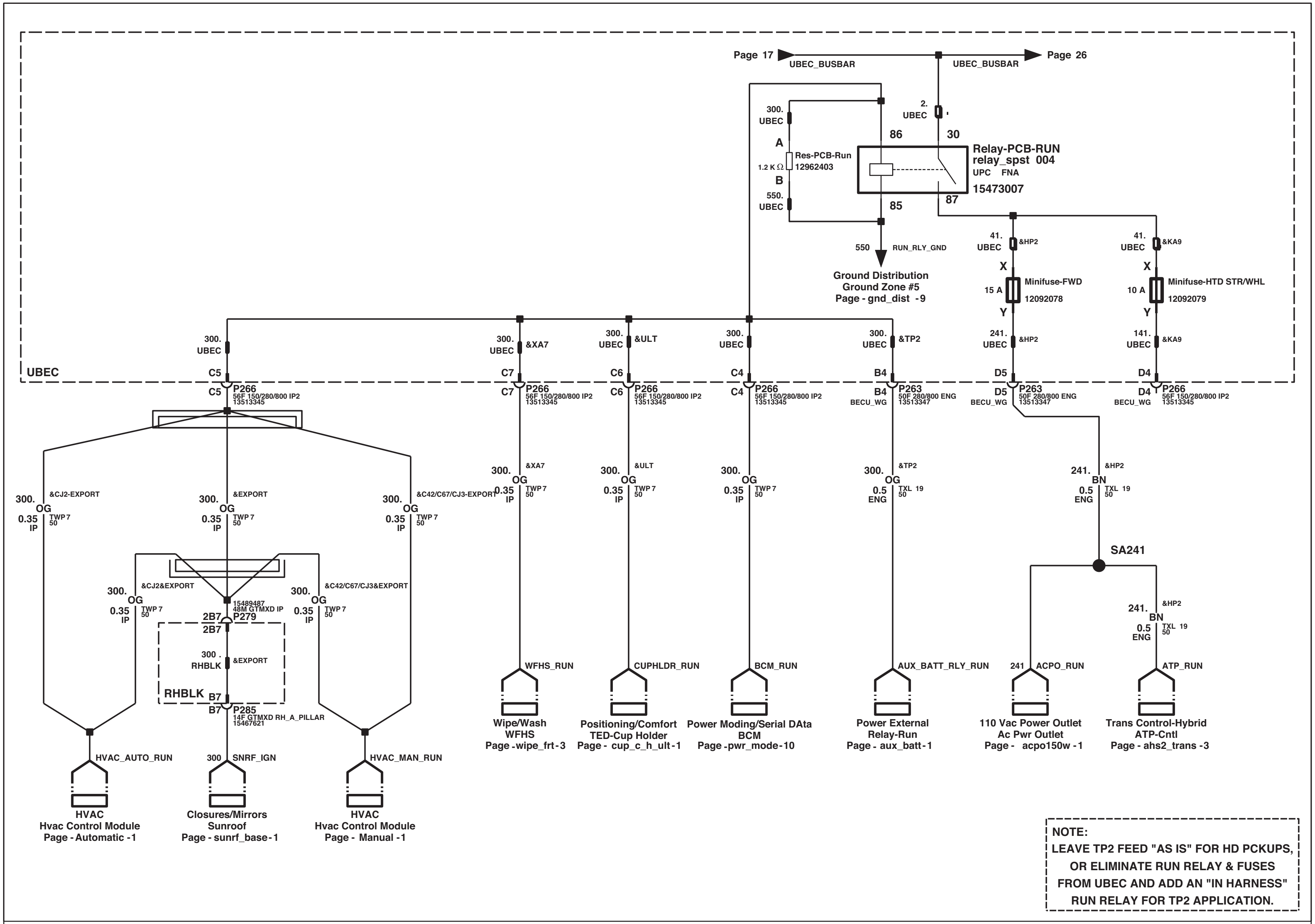
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UBEC_BUSBAR
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300. UBEC
2. UBEC
86
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1.2 K Ω 12962403
B
550. UBEC
Relay-PCB-RUN
relay_spst 004
UPC FNA
15473007
85
87
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X
Minifuse-FWD
15 A 12092078
Y
241. UBEC &HP2
41. UBEC &KA9
X
Minifuse-HTD STR/WHL
10 A 12092079
Y
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300. UBEC &XA7
300. UBEC &ULT
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300. UBEC &TP2
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C7 P266 56F 150/280/800 IP2 13513345
C6 P266 56F 150/280/800 IP2 13513345
C4 P266 56F 150/280/800 IP2 13513345
B4 BECU_WG P263 50F 280/800 ENG 13513347
D5 BECU_WG P263 50F 280/800 ENG 13513347
D4 BECU_WG P266 56F 150/280/800 IP2 13513345
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300. OG 0.35 IP &EXPORT TWP 7 50
300. OG 0.35 IP &C42/C67/CJ3-EXPORT TWP 7 50
300. OG 0.35 IP &XA7 TWP 7 50
300. OG 0.35 IP &ULT TWP 7 50
300. OG 0.35 IP TWP 7 50
300. OG 0.5 ENG &TP2 TXL 19 50
241. BN 0.5 ENG &HP2 TXL 19 50
SA241
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2B7 P279
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RHBLK B7
B7 P285 14F GTMXD RH_A_PILLAR 15467621
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WFHS_RUN
CUPHLDR_RUN
BCM_RUN
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241 ACPO_RUN
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Closures/Mirrors
Sunroof
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HVAC
Hvac Control Module
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NOTE:
LEAVE TP2 FEED "AS IS" FOR HD PCKUPS, OR ELIMINATE RUN RELAY & FUSES FROM UBEC AND ADD AN "IN HARNESS" RUN RELAY FOR TP2 APPLICATION.

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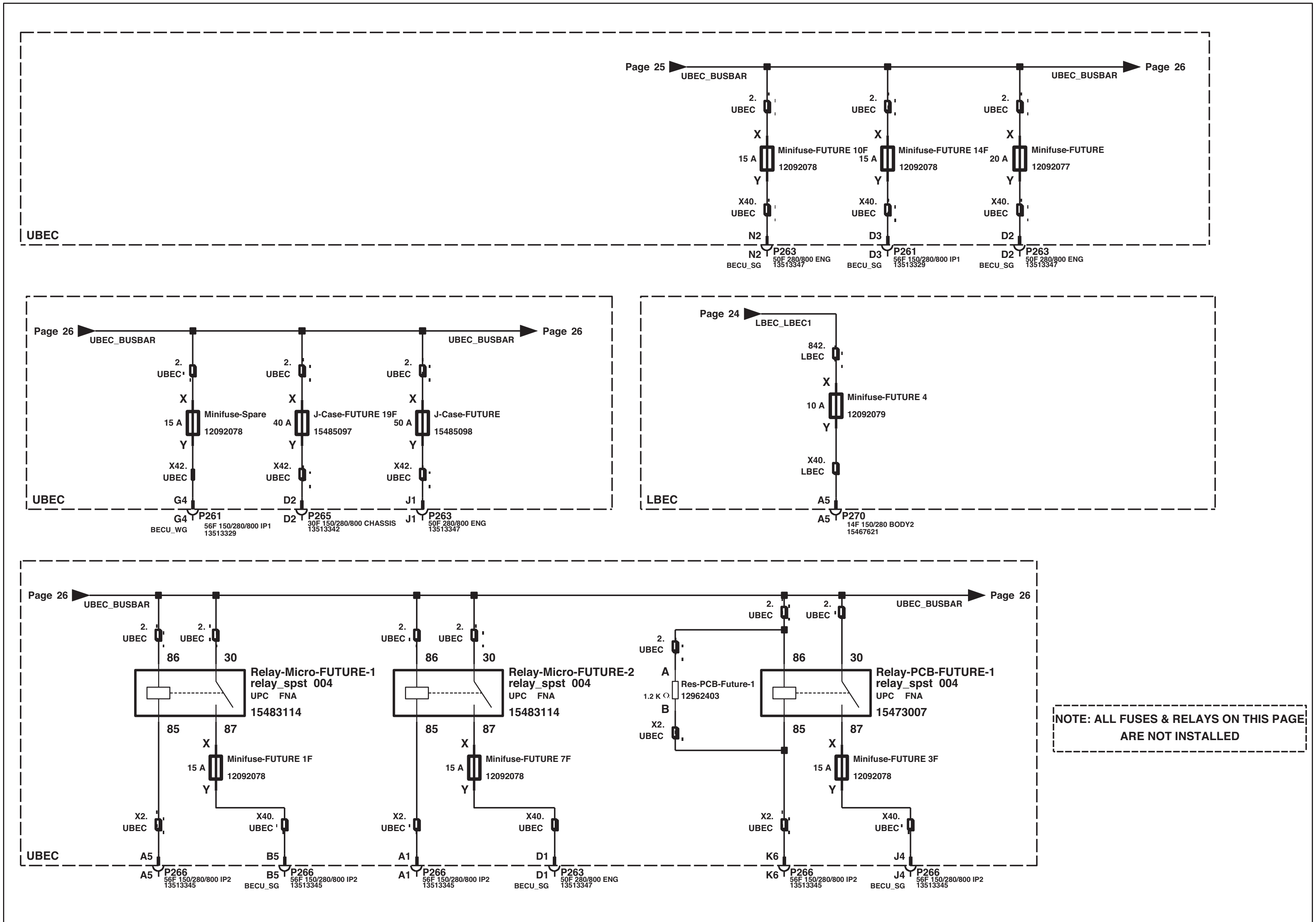
Power Distribution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Page 26
UBEC_BUSBAR
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Minifuse-FUTURE 10F
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X40. UBEC
N2
P263
50F 280/800 ENG
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BECU_SG
Minifuse-FUTURE 14F
12092078
D3
P261
56F 150/280/800 IP1
13513329
20 A
Minifuse-FUTURE
12092077
D2
UBEC
Page 26
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Minifuse-Spare
12092078
X42. UBEC
G4
P261
56F 150/280/800 IP1
13513329
BECU_WG
40 A
J-Case-FUTURE 19F
15485097
D2
P265
30F 150/280/800 CHASSIS
13513342
50 A
J-Case-FUTURE
15485098
J1
P263
50F 280/800 ENG
13513347
Page 24
LBEC_LBEC1
842. LBEC
10 A
Minifuse-FUTURE 4
12092079
X40. LBEC
A5
P270
14F 150/280 BODY2
15467621
LBEC
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30
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relay_spst 004
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87
Minifuse-FUTURE 1F
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P266
56F 150/280/800 IP2
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B
Relay-PCB-FUTURE-1
relay_spst 004
UPC FNA
15473007
Minifuse-FUTURE 3F
K6
J4

NOTE: ALL FUSES & RELAYS ON THIS PAGE ARE NOT INSTALLED

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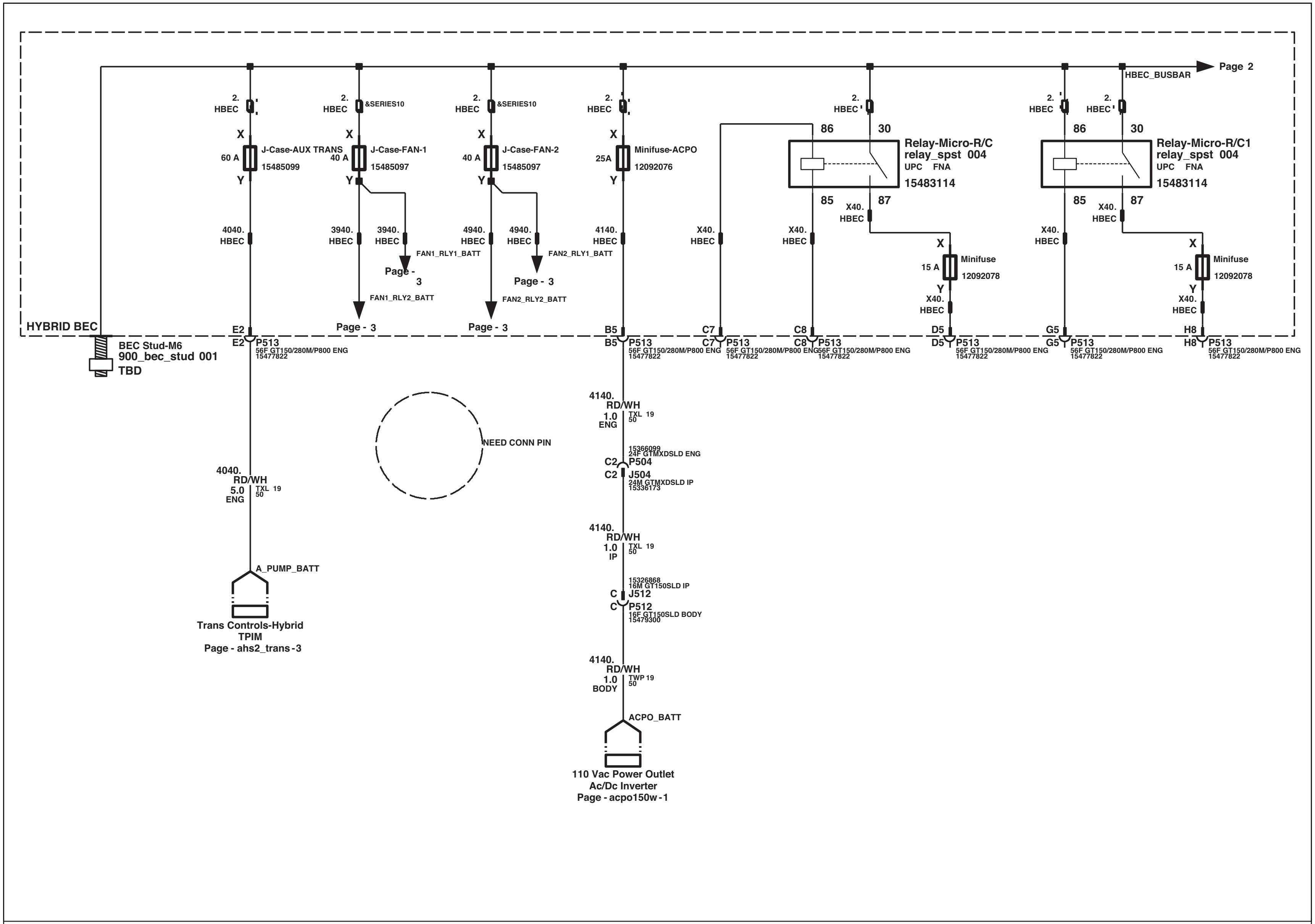
System Status: Object Status:

Power Distribution – HBEC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J-Case-FAN-1 40 A 15485097
J-Case-FAN-2 40 A 15485097
Minifuse-ACPO 25A 12092076
Relay-Micro-R/C relay_spst 004 UPC FNA 15483114
Relay-Micro-R/C1 relay_spst 004 UPC FNA 15483114
86
30
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87
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Minifuse 15 A 12092078
4040. HBEC
3940. HBEC
4940. HBEC
4140. HBEC
FAN1_RLY1_BATT
FAN1_RLY2_BATT
FAN2_RLY1_BATT
FAN2_RLY2_BATT
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P513 56F GT150/280M/P800 ENG 15477822
BEC Stud-M6
900_bec_stud 001
TBD
NEED CONN PIN
4040. RD/WH 5.0 ENG TXL 19 50
A_PUMP_BATT
Trans Controls-Hybrid
TPIM
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4140. RD/WH 1.0 ENG TXL 19 50
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C2 P504
C2 J504
24M GTMXDSLD IP 15336173
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C J512
C P512
16F GT150SLD BODY 15479300
4140. RD/WH 1.0 BODY TWP 19 50
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110 Vac Power Outlet
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&HP2

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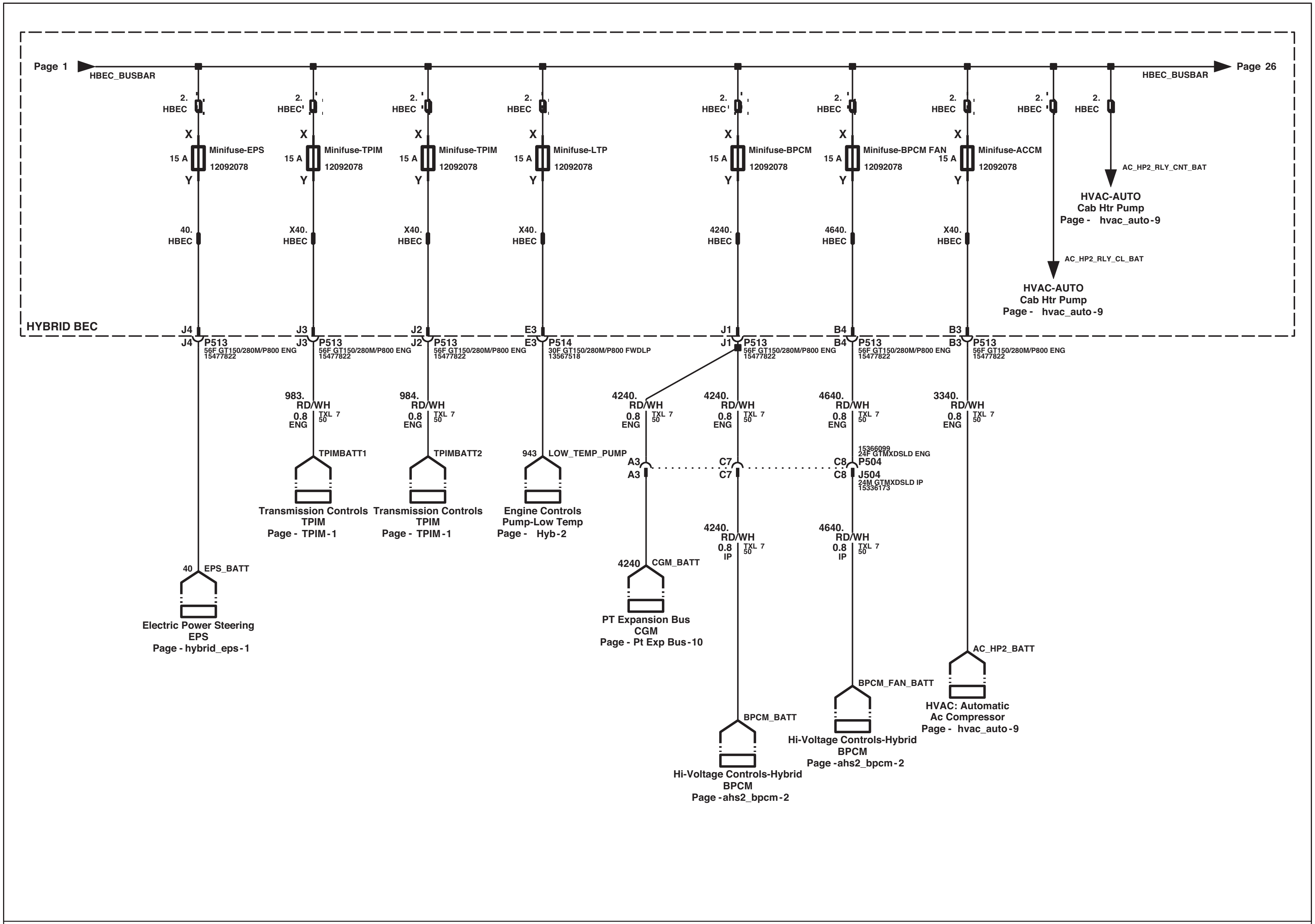
System Status: Object Status:

Power Distribution – HBEC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HBEC_BUSBAR
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15 A
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Minifuse-TPIM
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X40. HBEC
Minifuse-TPIM
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Minifuse-LTP
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Minifuse-BPCM
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4240. HBEC
Minifuse-BPCM FAN
12092078
4640. HBEC
Minifuse-ACCM
12092078
AC_HP2_RLY_CNT_BAT
HVAC-AUTO
Cab Htr Pump
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AC_HP2_RLY_CL_BAT
HVAC-AUTO
Cab Htr Pump
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HYBRID BEC
J4 P513 56F GT150/280M/P800 ENG 15477822
J3 P513 56F GT150/280M/P800 ENG 15477822
J2 P513 56F GT150/280M/P800 ENG 15477822
E3 P514 30F GT150/280M/P800 FWDLP 13567518
J1 P513 56F GT150/280M/P800 ENG 15477822
B4 P513 56F GT150/280M/P800 ENG 15477822
B3 P513 56F GT150/280M/P800 ENG 15477822
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984. RD/WH 0.8 ENG TXL 7 50
4240. RD/WH 0.8 ENG TXL 7 50
4240. RD/WH 0.8 ENG TXL 7 50
4640. RD/WH 0.8 ENG TXL 7 50
3340. RD/WH 0.8 ENG TXL 7 50
TPIMBATT1
TPIMBATT2
943 LOW_TEMP_PUMP
A3
C7
C8 P504 15366099 24F GTMXDSLD ENG
C8 J504 24M GTMXDSLD IP 15336173
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TPIM
Page - TPIM-1
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Pump-Low Temp
Page - Hyb-2
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4640. RD/WH 0.8 IP TXL 7 50
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4240 CGM_BATT
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Hi-Voltage Controls-Hybrid
BPCM
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Power Distribution - HBEC
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&HP2

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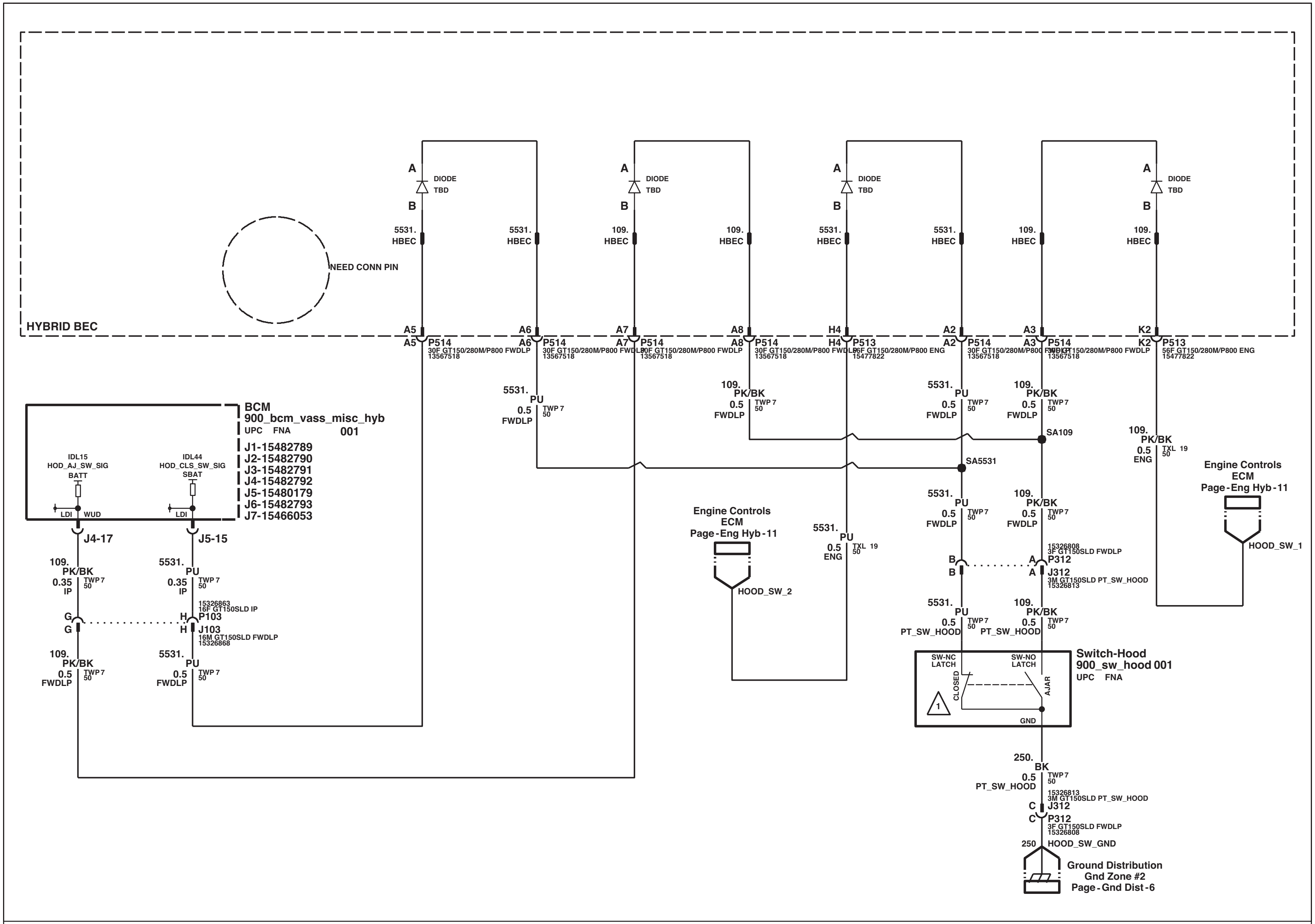
GMT900
System Status: Object Status:

Power Distribution – HBEC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H4 P513
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A3
A3 P514
K2
K2 P513
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FWDLP
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SA109
SA5531
TXL 19
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Engine Controls
ECM
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HOOD_SW_2
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J1-15482789
J2-15482790
J3-15482791
J4-15482792
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J5-15
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G
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J312
3M GT150SLD PT_SW_HOOD
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Switch-Hood
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SW-NC
LATCH
SW-NO
LATCH
CLOSED
AJAR
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GND
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BK
C
250
HOOD_SW_GND
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Power Distribution - HBEC

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&HP2

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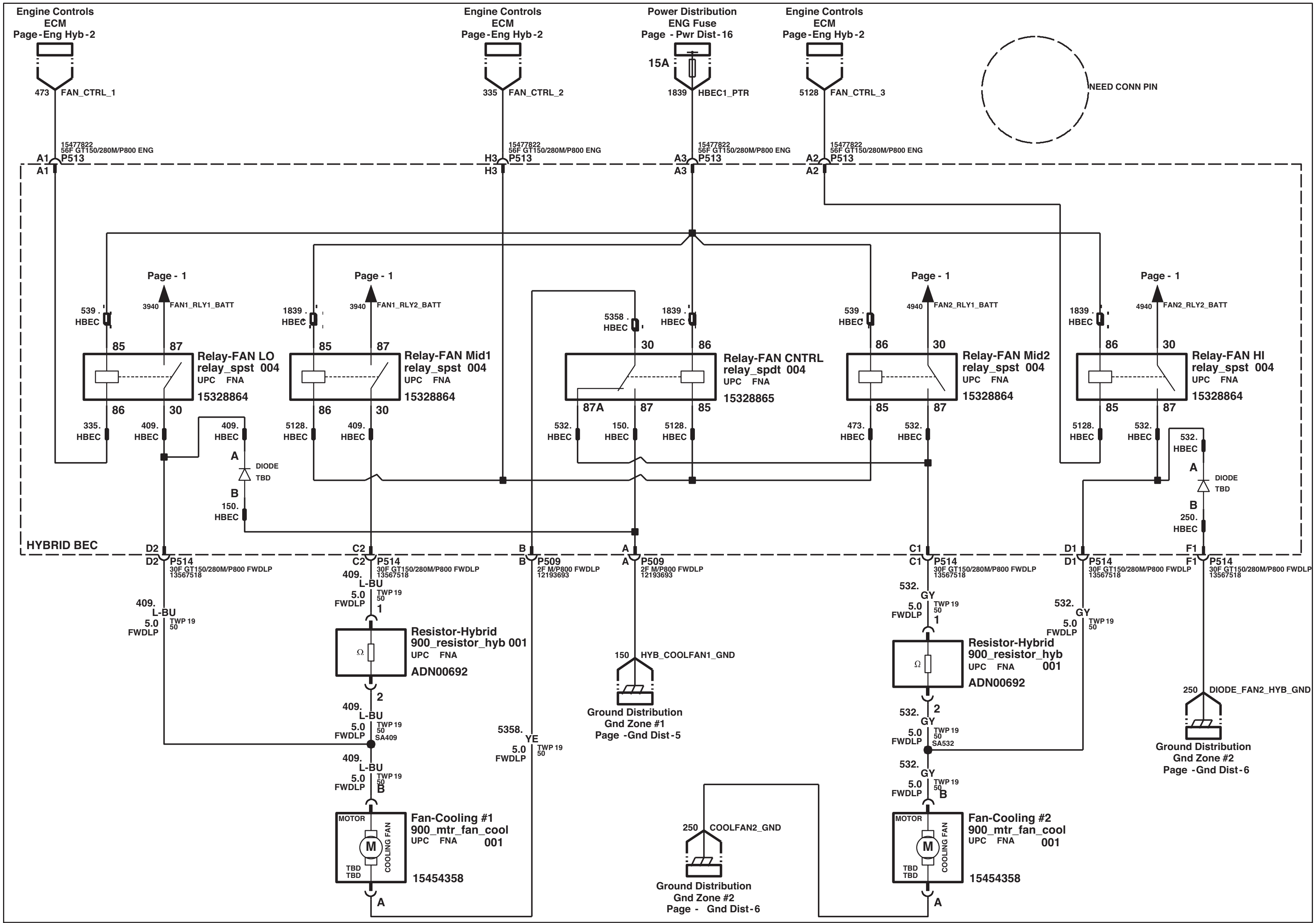
System Status: Object Status:

Power Distribution – HBEC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473 FAN_CTRL_1
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Page - Eng Hyb - 2
335 FAN_CTRL_2
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ECM
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NEED CONN PIN
15477822
56F GT150/280M/P800 ENG
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H3 P513
A3 P513
A2 P513
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Page - 1
3940 FAN1_RLY2_BATT
Page - 1
4940 FAN2_RLY1_BATT
Page - 1
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C2 P514
B P509
2F M/P800 FWDLP
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C1 P514
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TBD
TBD
15454358
A
5358. YE 5.0 FWDLP TWP 19 50
150 HYB_COOLFAN1_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist - 5
250 COOLFAN2_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6
532. GY 5.0 FWDLP TWP 19 50
1
Resistor-Hybrid
900_resistor_hyb
UPC FNA 001
ADN00692
2
SA532
B
Fan-Cooling #2
900_mtr_fan_cool
UPC FNA 001
MOTOR
M
COOLING FAN
TBD
TBD
15454358
A
250 DIODE_FAN2_HYB_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6

ARE82072
001
GMT900
GM Proprietary

Tuesday, September 12, 2006
8:59:37 am 11
IEC/ESI

Power Distribution - HBEC

1_08_pwr_dist_hbec Panel 4 of 4

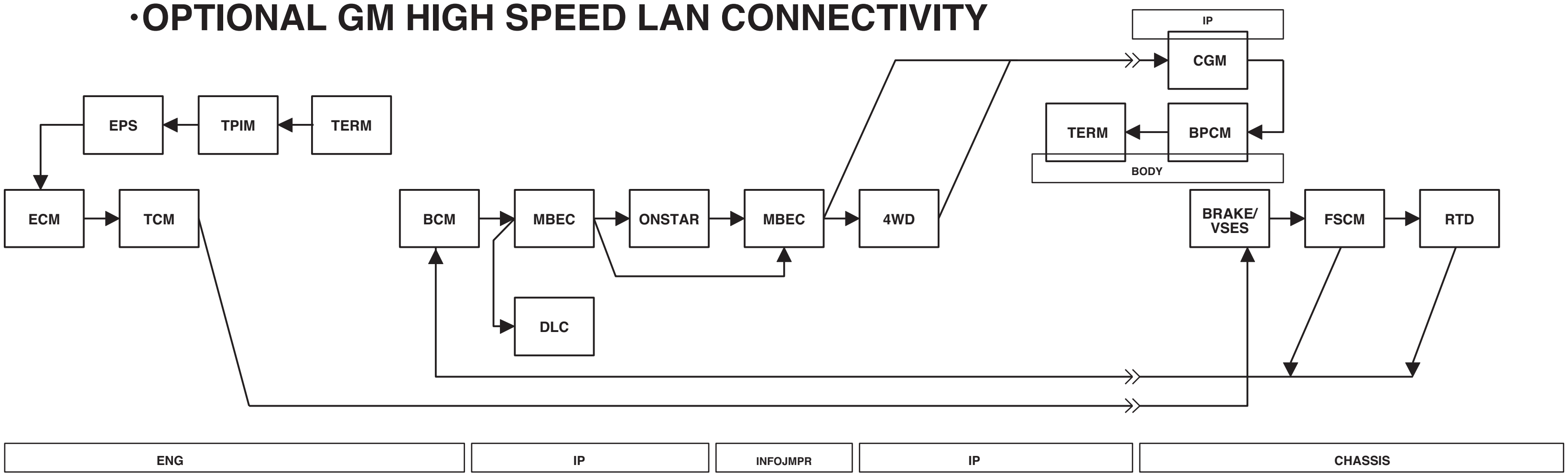
&HP2

0
GMT900

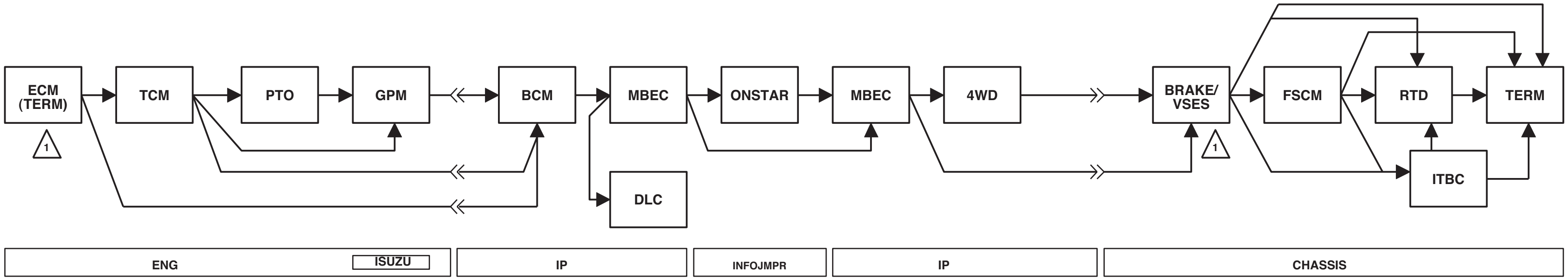
System Status: Object Status:

Power Moding/Serial Data

·HYBRID
·OPTIONAL GM HIGH SPEED LAN CONNECTIVITY


IP
CGM
EPS
TPIM
TERM
TERM
BPCM
BODY
ECM
TCM
BCM
MBEC
ONSTAR
MBEC
4WD
BRAKE/ VSES
FSCM
RTD
DLC
ENG
IP
INFOJMPR
IP
CHASSIS

·NON-HYBRID
·OPTIONAL GM HIGH SPEED LAN CONNECTIVITY


ECM (TERM)
1
TCM
PTO
GPM
BCM
MBEC
ONSTAR
MBEC
4WD
BRAKE/ VSES
1
FSCM
RTD
TERM
ITBC
DLC
ENG
ISUZU
IP
INFOJMPR
IP
CHASSIS

NOTES
- 1 – THERE ARE MULTIPLE VERSIONS OF THE TCM AND BRAKE/VSES MODULE
  – USED ON GMT900, DEPENDING UPON BUILD CONFIGURATION.
- – MODULES ARE SHOWN IN TYPICAL CONNECTIVITY ORDER. IF A GIVEN MODULE
  – IS NOT PRESENT, MODULES ON EITHER SIDE CONNECT DIRECTLY.

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GMT900
GM Proprietary

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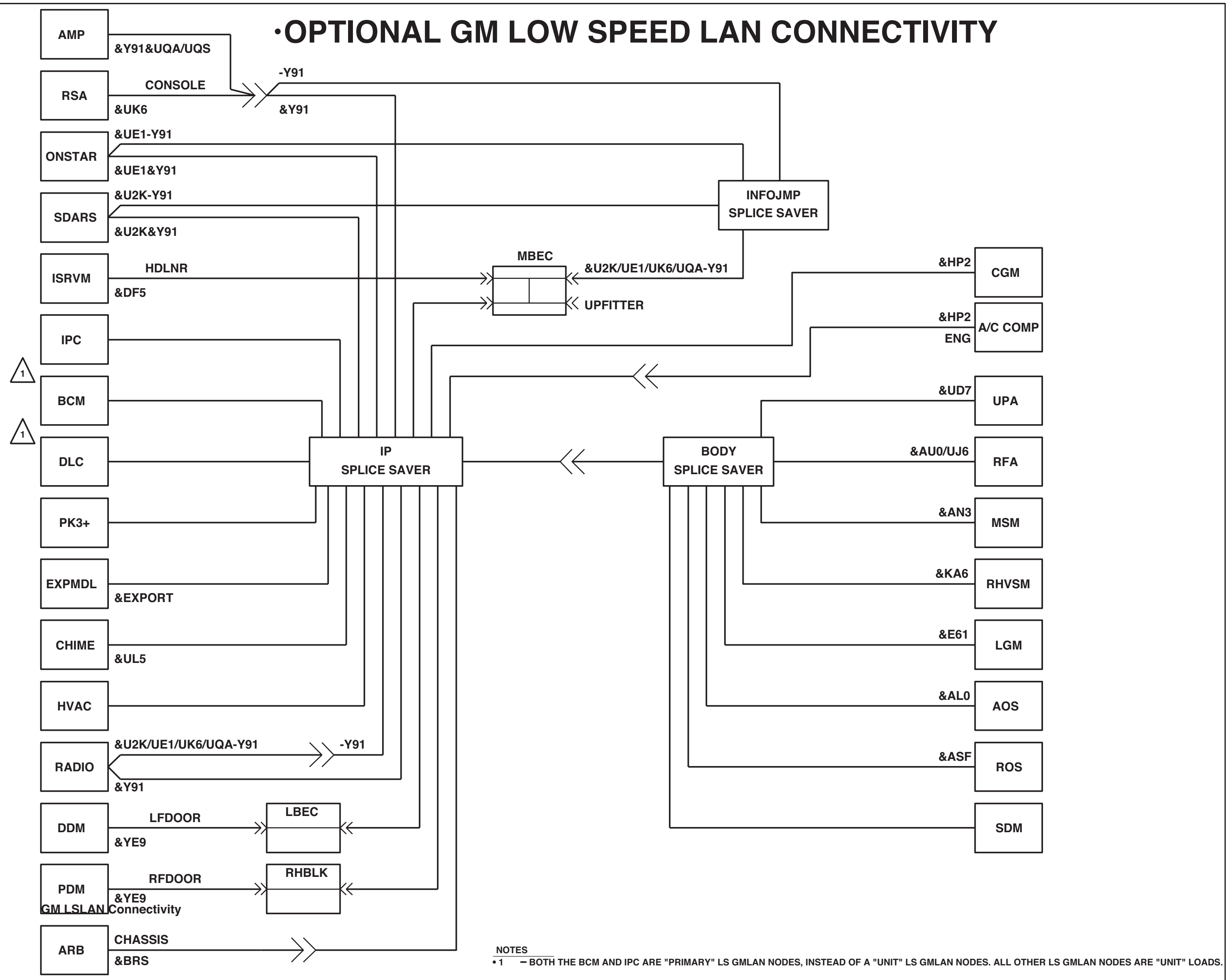
IEC/ESI

Power Moding/Serial Data
1_08_pwr_mode Panel 1 of 30

2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data

•OPTIONAL GM LOW SPEED LAN CONNECTIVITY


AMP
&Y91&UQA/UQS
RSA
CONSOLE
&UK6
-Y91
&Y91
ONSTAR
&UE1-Y91
&UE1&Y91
SDARS
&U2K-Y91
&U2K&Y91
INFOJMP
SPLICE SAVER
ISRVM
HDLNR
&DF5
MBEC
&U2K/UE1/UK6/UQA-Y91
UPFITTER
IPC
1
BCM
1
DLC
PK3+
EXPMDL
&EXPORT
CHIME
&UL5
HVAC
RADIO
&U2K/UE1/UK6/UQA-Y91
-Y91
&Y91
DDM
LFDOOR
&YE9
LBEC
PDM
RFDOOR
&YE9
RHBLK
GM LSLAN Connectivity
ARB
CHASSIS
&BRS
IP
SPLICE SAVER
BODY
SPLICE SAVER
&HP2
CGM
&HP2
ENG
A/C COMP
&UD7
UPA
&AU0/UJ6
RFA
&AN3
MSM
&KA6
RHVSM
&E61
LGM
&AL0
AOS
&ASF
ROS
SDM

NOTES

• 1 – BOTH THE BCM AND IPC ARE "PRIMARY" LS GMLAN NODES, INSTEAD OF A "UNIT" LS GMLAN NODES. ALL OTHER LS GMLAN NODES ARE "UNIT" LOADS.

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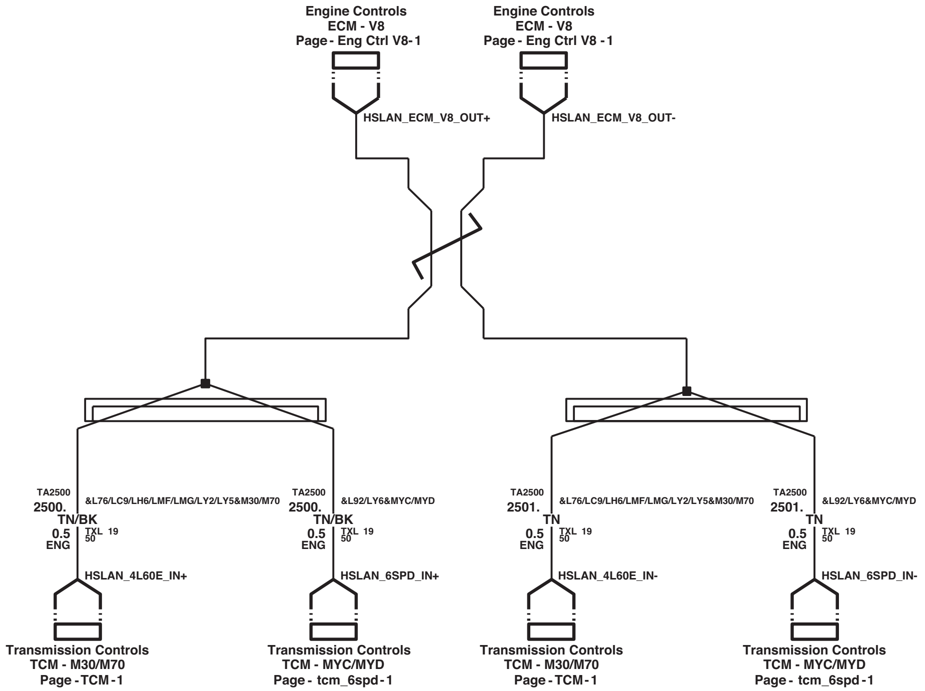
Power Moding/Serial Data
1_08_pwr_mode Panel 2 of 30

2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Engine Controls
ECM - V8
Page - Eng Ctrl V8 - 1
HSLAN_ECM_V8_OUT+
Engine Controls
ECM - V8
Page - Eng Ctrl V8 - 1
HSLAN_ECM_V8_OUT-
TA2500
2500.
&L76/LC9/LH6/LMF/LMG/LY2/LY5&M30/M70
TN/BK
0.5
ENG
TXL 19
50
HSLAN_4L60E_IN+
Transmission Controls
TCM - M30/M70
Page - TCM - 1
TA2500
2500.
&L92/LY6&MYC/MYD
TN/BK
0.5
ENG
TXL 19
50
HSLAN_6SPD_IN+
Transmission Controls
TCM - MYC/MYD
Page - tcm_6spd - 1
TA2500
2501.
&L76/LC9/LH6/LMF/LMG/LY2/LY5&M30/M70
TN
0.5
ENG
TXL 19
50
HSLAN_4L60E_IN-
Transmission Controls
TCM - M30/M70
Page - TCM - 1
TA2500
2501.
&L92/LY6&MYC/MYD
TN
0.5
ENG
TXL 19
50
HSLAN_6SPD_IN-
Transmission Controls
TCM - MYC/MYD
Page - tcm_6spd - 1

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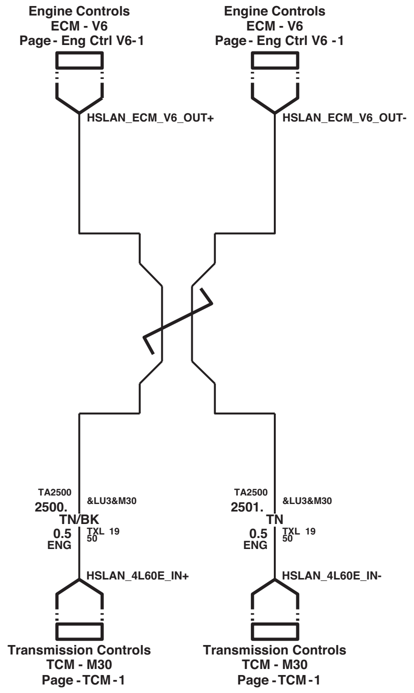
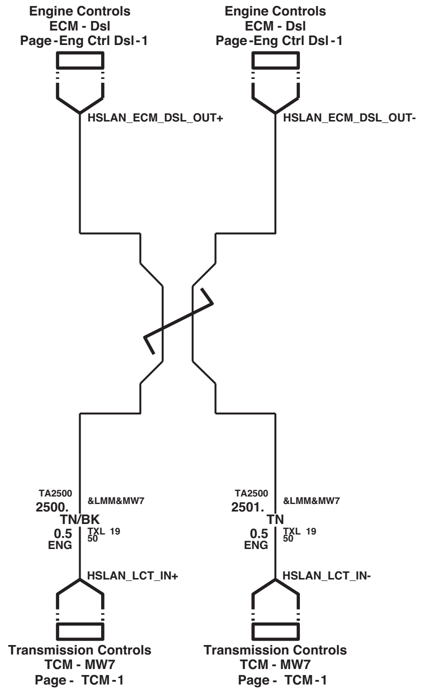
IEC/ESI

Power Moding/Serial Data
1_08_pwr_mode Panel 3 of 30

2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Engine Controls
ECM - V6
Page - Eng Ctrl V6-1
Engine Controls
ECM - V6
Page - Eng Ctrl V6 -1
HSLAN_ECM_V6_OUT+
HSLAN_ECM_V6_OUT-
TA2500
2500.
&LU3&M30
TN/BK
0.5
ENG
TXL 19
50
TA2500
2501.
&LU3&M30
TN
0.5
ENG
TXL 19
50
HSLAN_4L60E_IN+
HSLAN_4L60E_IN-
Transmission Controls
TCM - M30
Page - TCM - 1
Transmission Controls
TCM - M30
Page - TCM - 1


Engine Controls
ECM - Dsl
Page - Eng Ctrl Dsl - 1
Engine Controls
ECM - Dsl
Page - Eng Ctrl Dsl - 1
HSLAN_ECM_DSL_OUT+
HSLAN_ECM_DSL_OUT-
TA2500
2500.
&LMM&MW7
TN/BK
0.5
ENG
TXL 19
50
TA2500
2501.
&LMM&MW7
TN
0.5
ENG
TXL 19
50
HSLAN_LCT_IN+
HSLAN_LCT_IN-
Transmission Controls
TCM - MW7
Page - TCM - 1
Transmission Controls
TCM - MW7
Page - TCM - 1

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Power Moding/Serial Data

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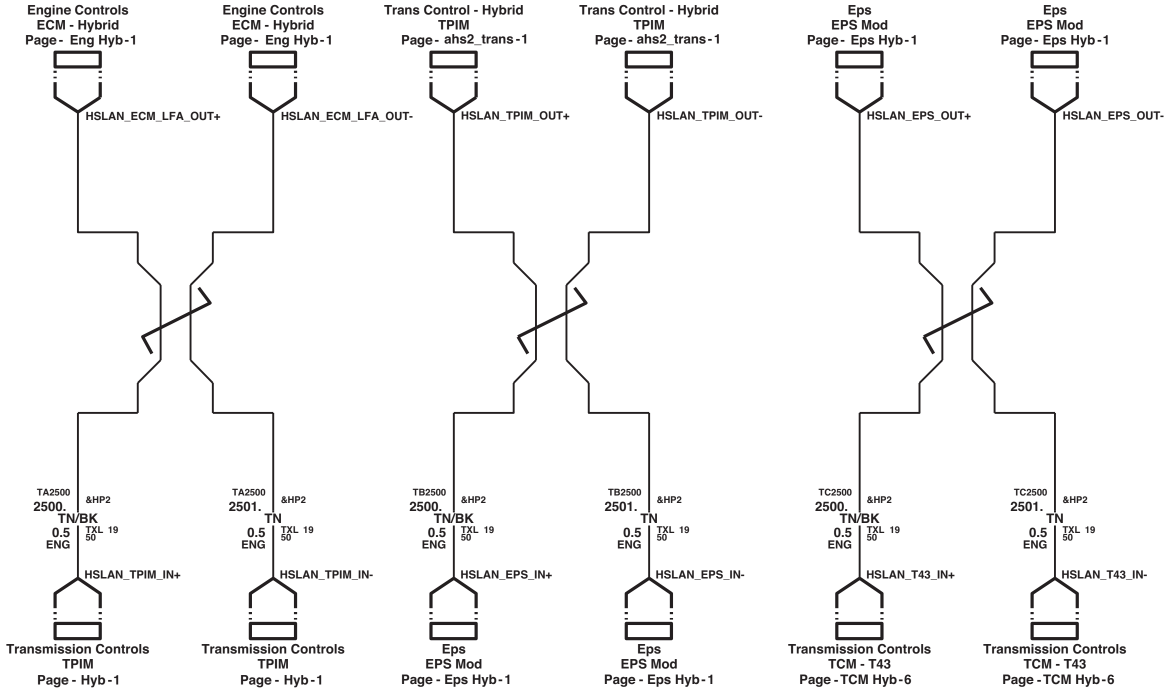
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Engine Controls
ECM - Hybrid
Page - Eng Hyb - 1
HSLAN_ECM_LFA_OUT+
Engine Controls
ECM - Hybrid
Page - Eng Hyb - 1
HSLAN_ECM_LFA_OUT-
Trans Control - Hybrid
TPIM
Page - ahs2_trans - 1
HSLAN_TPIM_OUT+
Trans Control - Hybrid
TPIM
Page - ahs2_trans - 1
HSLAN_TPIM_OUT-
Eps
EPS Mod
Page - Eps Hyb - 1
HSLAN_EPS_OUT+
Eps
EPS Mod
Page - Eps Hyb - 1
HSLAN_EPS_OUT-
TA2500
2500.
&HP2
TN/BK
0.5
ENG
TXL 19
50
HSLAN_TPIM_IN+
Transmission Controls
TPIM
Page - Hyb - 1
TA2500
2501.
&HP2
TN
0.5
ENG
TXL 19
50
HSLAN_TPIM_IN-
Transmission Controls
TPIM
Page - Hyb - 1
TB2500
2500.
&HP2
TN/BK
0.5
ENG
TXL 19
50
HSLAN_EPS_IN+
Eps
EPS Mod
Page - Eps Hyb - 1
TB2500
2501.
&HP2
TN
0.5
ENG
TXL 19
50
HSLAN_EPS_IN-
Eps
EPS Mod
Page - Eps Hyb - 1
TC2500
2500.
&HP2
TN/BK
0.5
ENG
TXL 19
50
HSLAN_T43_IN+
Transmission Controls
TCM - T43
Page - TCM Hyb - 6
TC2500
2501.
&HP2
TN
0.5
ENG
TXL 19
50
HSLAN_T43_IN-
Transmission Controls
TCM - T43
Page - TCM Hyb - 6

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IEC/ESI

Power Moding/Serial Data

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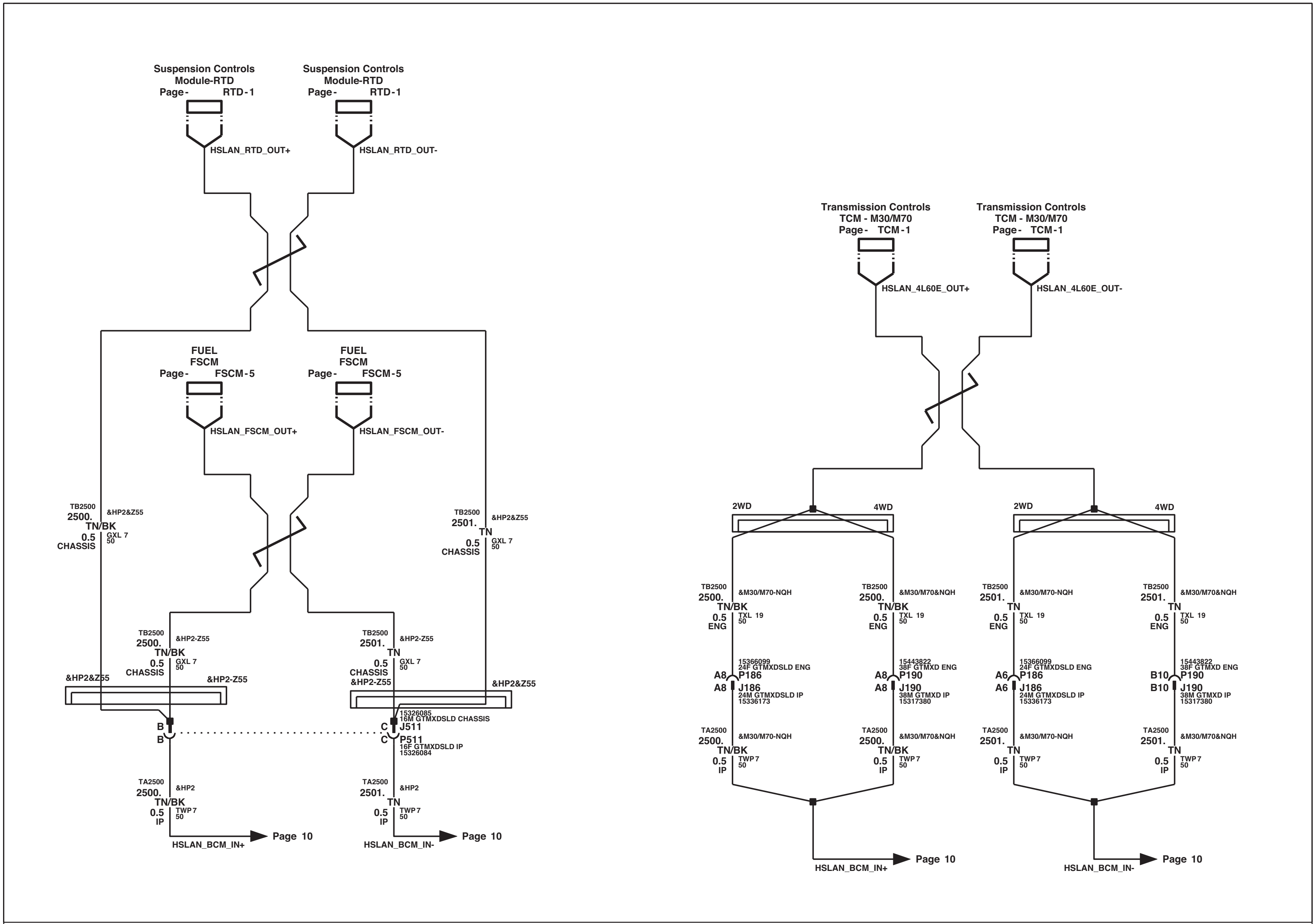
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Suspension Controls
Module-RTD
Page- RTD-1
HSLAN_RTD_OUT+
Suspension Controls
Module-RTD
Page- RTD-1
HSLAN_RTD_OUT-
FUEL
FSCM
Page- FSCM-5
HSLAN_FSCM_OUT+
FUEL
FSCM
Page- FSCM-5
HSLAN_FSCM_OUT-
TB2500
2500.
TN/BK
0.5
CHASSIS
&HP2&Z55
GXL 7
50
TB2500
2501.
TN
0.5
CHASSIS
&HP2&Z55
GXL 7
50
TB2500
2500.
TN/BK
0.5
CHASSIS
&HP2-Z55
GXL 7
50
TB2500
2501.
TN
0.5
CHASSIS
&HP2-Z55
GXL 7
50
&HP2&Z55
&HP2-Z55
&HP2-Z55
&HP2&Z55
B
B
C
C
15326085
16M GTMXDSLD CHASSIS
J511
P511
16F GTMXDSLD IP
15326084
TA2500
2500.
TN/BK
0.5
IP
&HP2
TWP 7
50
TA2500
2501.
TN
0.5
IP
&HP2
TWP 7
50
HSLAN_BCM_IN+
Page 10
HSLAN_BCM_IN-
Page 10
Transmission Controls
TCM - M30/M70
Page- TCM-1
HSLAN_4L60E_OUT+
Transmission Controls
TCM - M30/M70
Page- TCM-1
HSLAN_4L60E_OUT-
2WD
4WD
2WD
4WD
TB2500
2500.
TN/BK
0.5
ENG
&M30/M70-NQH
TXL 19
50
TB2500
2500.
TN/BK
0.5
ENG
&M30/M70&NQH
TXL 19
50
TB2500
2501.
TN
0.5
ENG
&M30/M70-NQH
TXL 19
50
TB2500
2501.
TN
0.5
ENG
&M30/M70&NQH
TXL 19
50
15366099
24F GTMXDSLD ENG
A8 P186
A8 J186
24M GTMXDSLD IP
15336173
15443822
38F GTMXD ENG
A8 P190
A8 J190
38M GTMXD IP
15317380
15366099
24F GTMXDSLD ENG
A6 P186
A6 J186
24M GTMXDSLD IP
15336173
15443822
38F GTMXD ENG
B10 P190
B10 J190
38M GTMXD IP
15317380
TA2500
2500.
TN/BK
0.5
IP
&M30/M70-NQH
TWP 7
50
TA2500
2500.
TN/BK
0.5
IP
&M30/M70&NQH
TWP 7
50
TA2500
2501.
TN
0.5
IP
&M30/M70-NQH
TWP 7
50
TA2500
2501.
TN
0.5
IP
&M30/M70&NQH
TWP 7
50
HSLAN_BCM_IN+
Page 10
HSLAN_BCM_IN-
Page 10

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GMT900
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IEC/ESI

Power Moding/Serial Data

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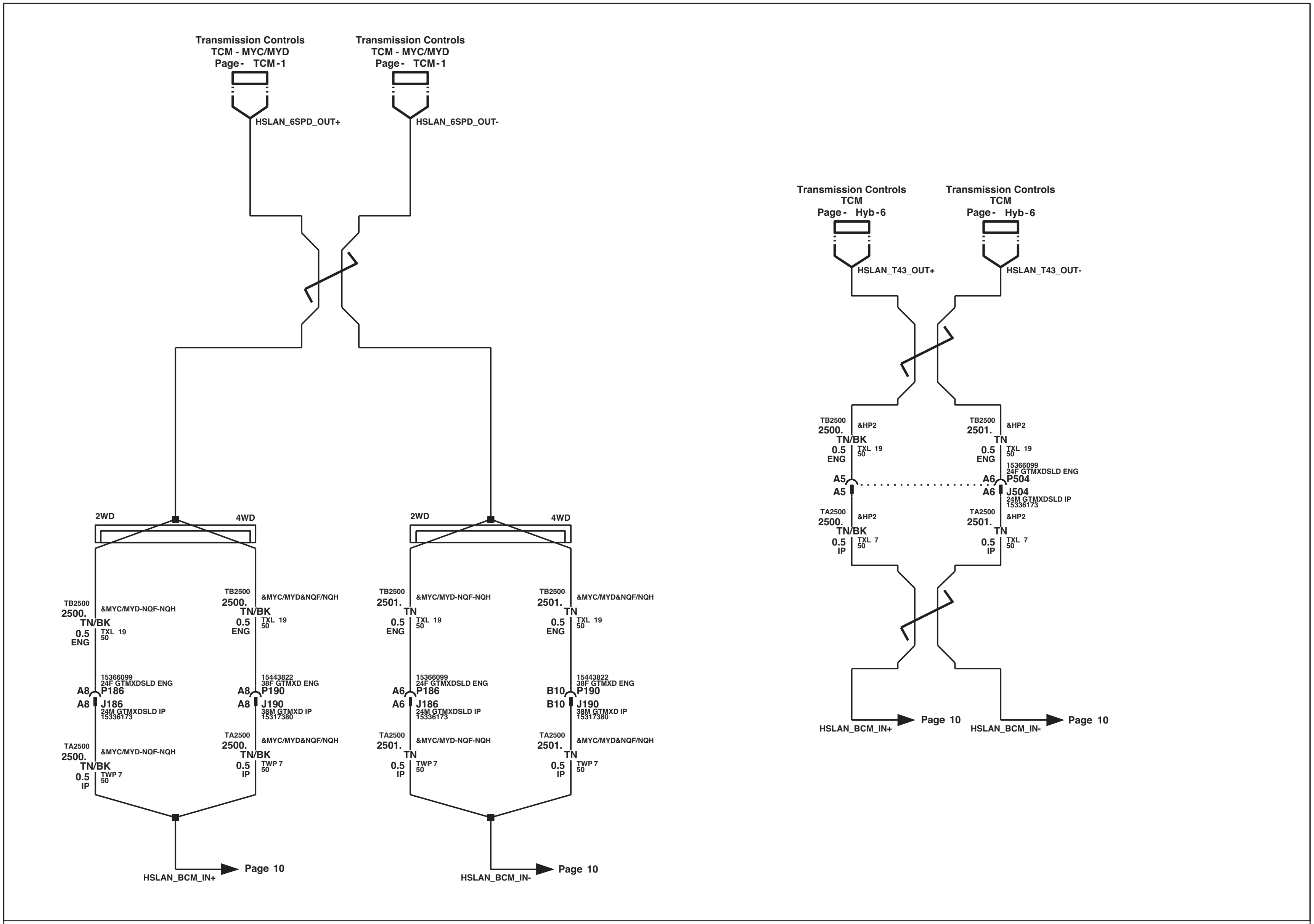
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Transmission Controls
TCM - MYC/MYD
Page - TCM - 1
HSLAN_6SPD_OUT+
Transmission Controls
TCM - MYC/MYD
Page - TCM - 1
HSLAN_6SPD_OUT-
2WD
4WD
2WD
4WD
TB2500
2500.
&MYC/MYD-NQF-NQH
TN/BK
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
A8
P186
A8
J186
24M GTMXDSLD IP
15336173
TA2500
2500.
&MYC/MYD-NQF-NQH
TN/BK
0.5
IP
TWP 7
50
TB2500
2500.
&MYC/MYD&NQF/NQH
TN/BK
0.5
ENG
TXL 19
50
15443822
38F GTMXD ENG
A8
P190
A8
J190
38M GTMXD IP
15317380
TA2500
2500.
&MYC/MYD&NQF/NQH
TN/BK
0.5
IP
TWP 7
50
TB2500
2501.
&MYC/MYD-NQF-NQH
TN
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
A6
P186
A6
J186
24M GTMXDSLD IP
15336173
TA2500
2501.
&MYC/MYD-NQF-NQH
TN
0.5
IP
TWP 7
50
TB2500
2501.
&MYC/MYD&NQF/NQH
TN
0.5
ENG
TXL 19
50
15443822
38F GTMXD ENG
B10
P190
B10
J190
38M GTMXD IP
15317380
TA2500
2501.
&MYC/MYD&NQF/NQH
TN
0.5
IP
TWP 7
50
HSLAN_BCM_IN+
Page 10
HSLAN_BCM_IN-
Page 10
Transmission Controls
TCM
Page - Hyb - 6
HSLAN_T43_OUT+
Transmission Controls
TCM
Page - Hyb - 6
HSLAN_T43_OUT-
TB2500
2500.
&HP2
TN/BK
0.5
ENG
TXL 19
50
A5
A5
TA2500
2500.
&HP2
TN/BK
0.5
IP
TXL 7
50
TB2500
2501.
&HP2
TN
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
A6
P504
A6
J504
24M GTMXDSLD IP
15336173
TA2500
2501.
&HP2
TN
0.5
IP
TXL 7
50
HSLAN_BCM_IN+
Page 10
HSLAN_BCM_IN-
Page 10

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Power Moding/Serial Data

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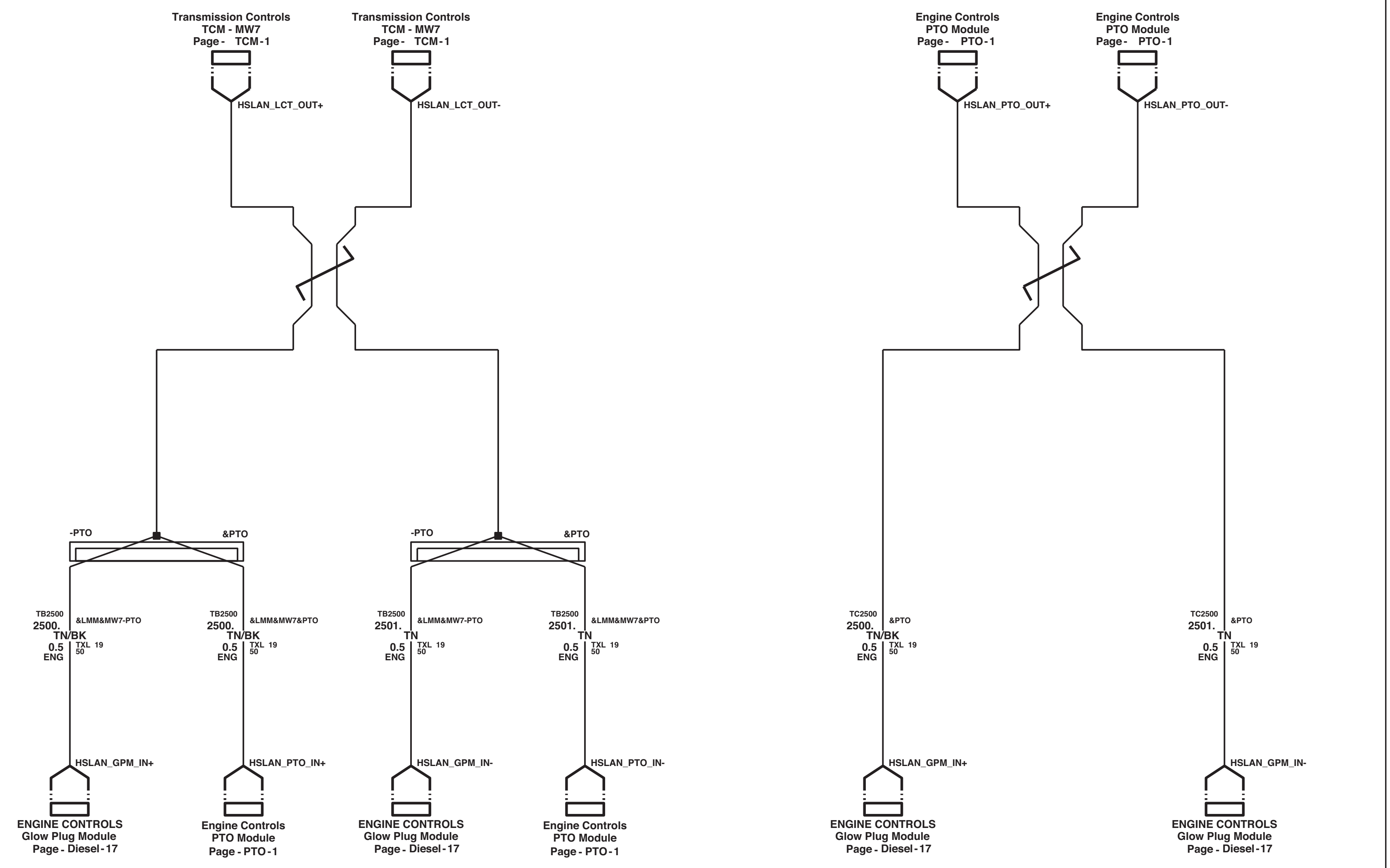
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Transmission Controls
TCM - MW7
Page - TCM-1
HSLAN_LCT_OUT+
Transmission Controls
TCM - MW7
Page - TCM-1
HSLAN_LCT_OUT-
Engine Controls
PTO Module
Page - PTO-1
HSLAN_PTO_OUT+
Engine Controls
PTO Module
Page - PTO-1
HSLAN_PTO_OUT-
-PTO
&PTO
-PTO
&PTO
TB2500
2500.
&LMM&MW7-PTO
TN/BK
0.5
ENG
TXL 19
50
TB2500
2500.
&LMM&MW7&PTO
TN/BK
0.5
ENG
TXL 19
50
TB2500
2501.
&LMM&MW7-PTO
TN
0.5
ENG
TXL 19
50
TB2500
2501.
&LMM&MW7&PTO
TN
0.5
ENG
TXL 19
50
TC2500
2500.
&PTO
TN/BK
0.5
ENG
TXL 19
50
TC2500
2501.
&PTO
TN
0.5
ENG
TXL 19
50
HSLAN_GPM_IN+
HSLAN_PTO_IN+
HSLAN_GPM_IN-
HSLAN_PTO_IN-
HSLAN_GPM_IN+
HSLAN_GPM_IN-
ENGINE CONTROLS
Glow Plug Module
Page - Diesel-17
Engine Controls
PTO Module
Page - PTO-1
ENGINE CONTROLS
Glow Plug Module
Page - Diesel-17
Engine Controls
PTO Module
Page - PTO-1
ENGINE CONTROLS
Glow Plug Module
Page - Diesel-17
ENGINE CONTROLS
Glow Plug Module
Page - Diesel-17

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IEC/ESI

Power Moding/Serial Data

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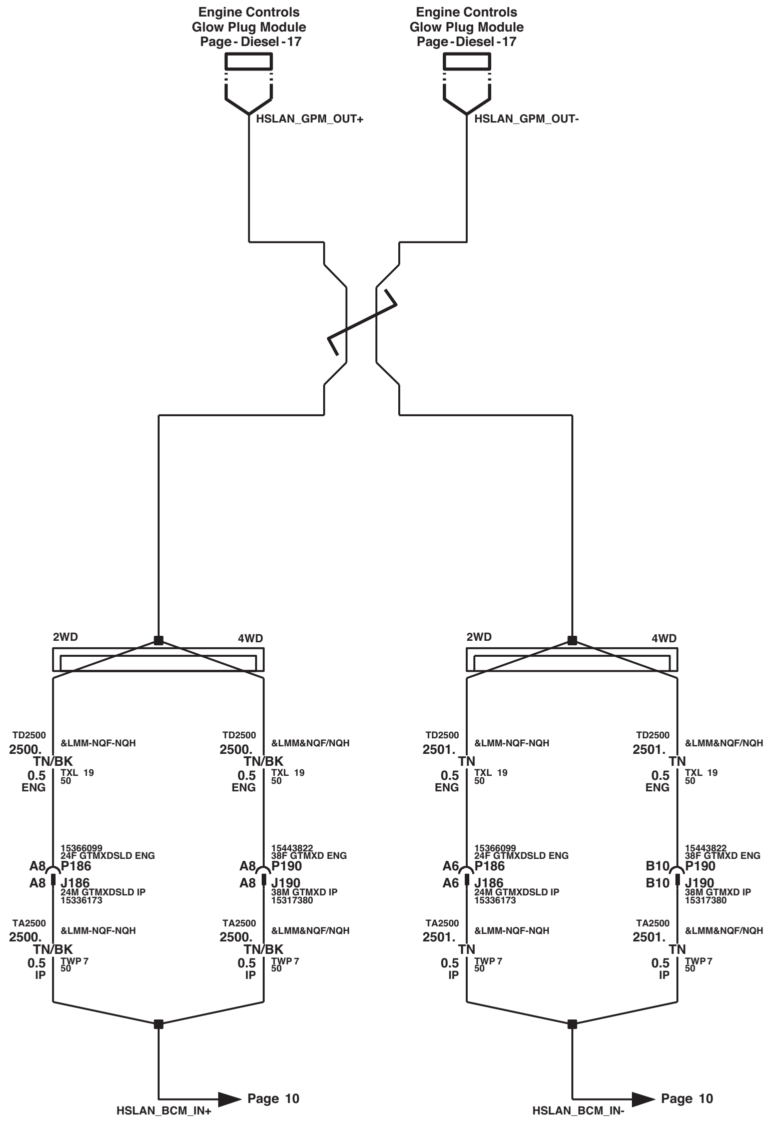
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Engine Controls
Glow Plug Module
Page - Diesel - 17
HSLAN_GPM_OUT+
Engine Controls
Glow Plug Module
Page - Diesel - 17
HSLAN_GPM_OUT-
2WD
4WD
TD2500
2500.
&LMM-NQF-NQH
TN/BK
0.5
ENG
TXL 19
50
TD2500
2500.
&LMM&NQF/NQH
TN/BK
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
A8
P186
A8
J186
24M GTMXDSLD IP
15336173
15443822
38F GTMXD ENG
A8
P190
A8
J190
38M GTMXD IP
15317380
TA2500
2500.
&LMM-NQF-NQH
TN/BK
0.5
IP
TWP 7
50
TA2500
2500.
&LMM&NQF/NQH
TN/BK
0.5
IP
TWP 7
50
HSLAN_BCM_IN+
Page 10
2WD
4WD
TD2500
2501.
&LMM-NQF-NQH
TN
0.5
ENG
TXL 19
50
TD2500
2501.
&LMM&NQF/NQH
TN
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
A6
P186
A6
J186
24M GTMXDSLD IP
15336173
15443822
38F GTMXD ENG
B10
P190
B10
J190
38M GTMXD IP
15317380
TA2500
2501.
&LMM-NQF-NQH
TN
0.5
IP
TWP 7
50
TA2500
2501.
&LMM&NQF/NQH
TN
0.5
IP
TWP 7
50
HSLAN_BCM_IN-
Page 10

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Power Moding/Serial Data

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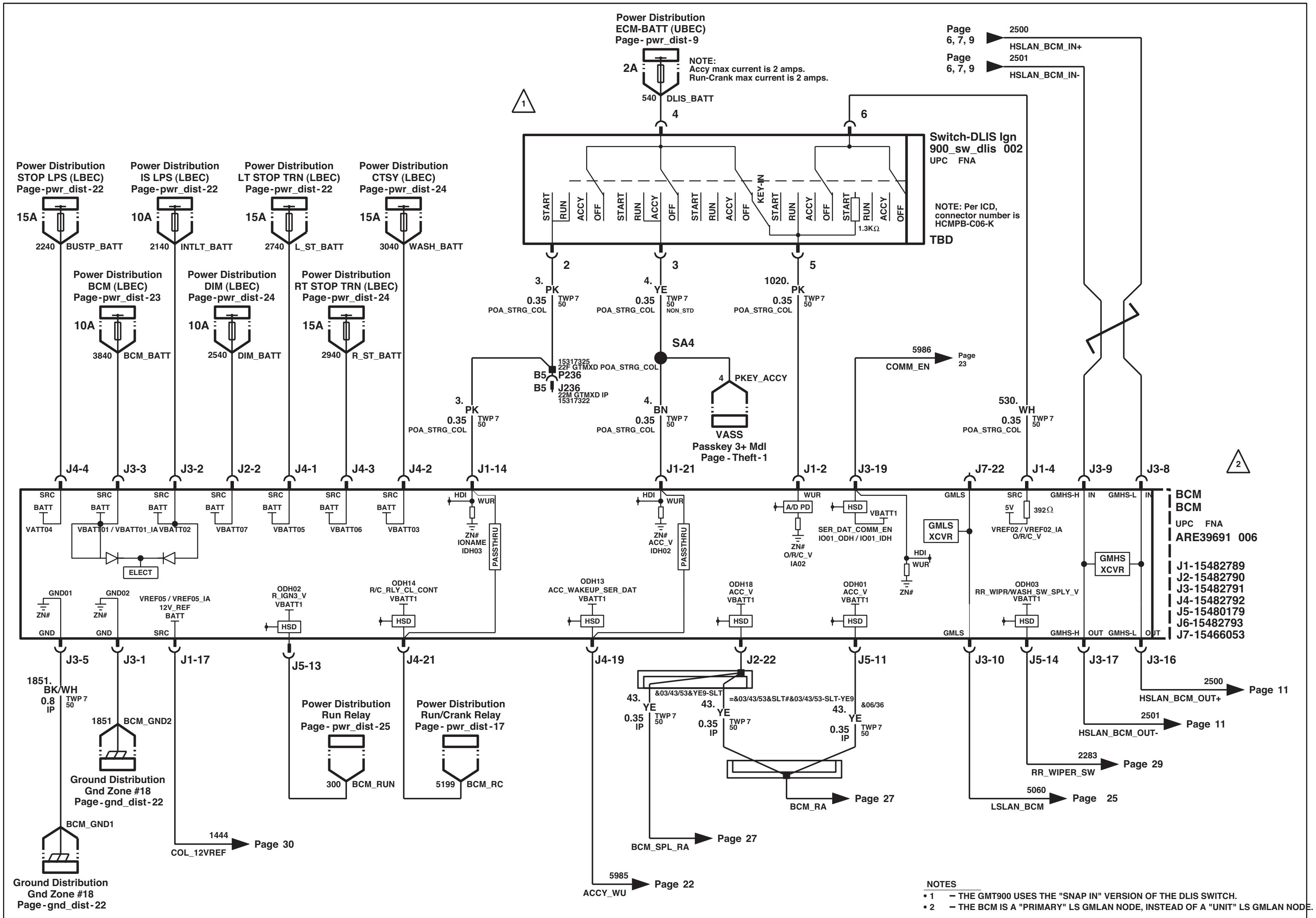
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data


Power Distribution
ECM-BATT (UBEC)
Page- pwr_dist-9
2A
540 DLIS_BATT
NOTE:
Accy max current is 2 amps.
Run-Crank max current is 2 amps.
1
Page 6, 7, 9
2500
HSLAN_BCM_IN+
Page 6, 7, 9
2501
HSLAN_BCM_IN-
4
6
Switch-DLIS Ign
900_sw_dlis 002
UPC FNA
NOTE: Per ICD, connector number is HCMPB-C06-K
TBD
START
RUN
ACCY
OFF
KEY-IN
1.3KΩ
2
3
5
Power Distribution
STOP LPS (LBEC)
Page-pwr_dist-22
15A
2240 BUSTP_BATT
Power Distribution
IS LPS (LBEC)
Page-pwr_dist-22
10A
2140 INTLT_BATT
Power Distribution
LT STOP TRN (LBEC)
Page-pwr_dist-22
15A
2740 L_ST_BATT
Power Distribution
CTSY (LBEC)
Page-pwr_dist-24
15A
3040 WASH_BATT
Power Distribution
BCM (LBEC)
Page-pwr_dist-23
10A
3840 BCM_BATT
Power Distribution
DIM (LBEC)
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10A
2540 DIM_BATT
Power Distribution
RT STOP TRN (LBEC)
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15A
2940 R_ST_BATT
3. PK 0.35 TWP 7 50 POA_STRG_COL
4. YE 0.35 TWP 7 50 NON_STD POA_STRG_COL
1020. PK 0.35 TWP 7 50 POA_STRG_COL
SA4
15317325 22F GTMXD POA_STRG_COL
B5 P236
B5 J236
22M GTMXD IP 15317322
4 PKEY_ACCY
VASS
Passkey 3+ Mdl
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3. PK 0.35 TWP 7 50 POA_STRG_COL
4. BN 0.35 TWP 7 50 POA_STRG_COL
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530. WH 0.35 TWP 7 50 POA_STRG_COL
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J4-3
J4-2
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J1-21
J1-2
J3-19
J7-22
J1-4
J3-9
J3-8
2
SRC BATT VATT04
SRC BATT VBATT01 / VBATT01_IA
SRC BATT VBATT02
SRC BATT VBATT07
SRC BATT VBATT05
SRC BATT VBATT06
SRC BATT VBATT03
ELECT
HDI WUR ZN# IONAME IDH03
PASSTHRU
HDI WUR ZN# ACC_V IDH02
PASSTHRU
WUR A/D PD ZN# O/R/C_V IA02
HSD VBATT1 SER_DAT_COMM_EN IO01_ODH / IO01_IDH
HDI WUR ZN#
GMLS
GMLS XCVR
SRC 5V 392Ω VREF02 / VREF02_IA O/R/C_V
GMHS-H IN GMHS-L IN
GMHS XCVR
BCM
BCM
UPC FNA
ARE39691 006
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
GND01 ZN# GND
GND02 ZN# GND
VREF05 / VREF05_IA 12V_REF BATT SRC
ODH02 R_IGN3_V VBATT1 HSD
ODH14 R/C_RLY_CL_CONT VBATT1 HSD
ODH13 ACC_WAKEUP_SER_DAT VBATT1 HSD
ODH18 ACC_V VBATT1 HSD
ODH01 ACC_V VBATT1 HSD
ODH03 RR_WIPR/WASH_SW_SPLY_V VBATT1 HSD
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GMHS-H OUT GMHS-L OUT
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5199 BCM_RC
&03/43/53&YE9-SLT
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&06/36
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43. YE 0.35 IP TWP 7 50
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2283 RR_WIPER_SW Page 29
5060 LSLAN_BCM Page 25

NOTES
- 1 – THE GMT900 USES THE "SNAP IN" VERSION OF THE DLIS SWITCH.
- 2 – THE BCM IS A "PRIMARY" LS GMLAN NODE, INSTEAD OF A "UNIT" LS GMLAN NODE.

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MVBS
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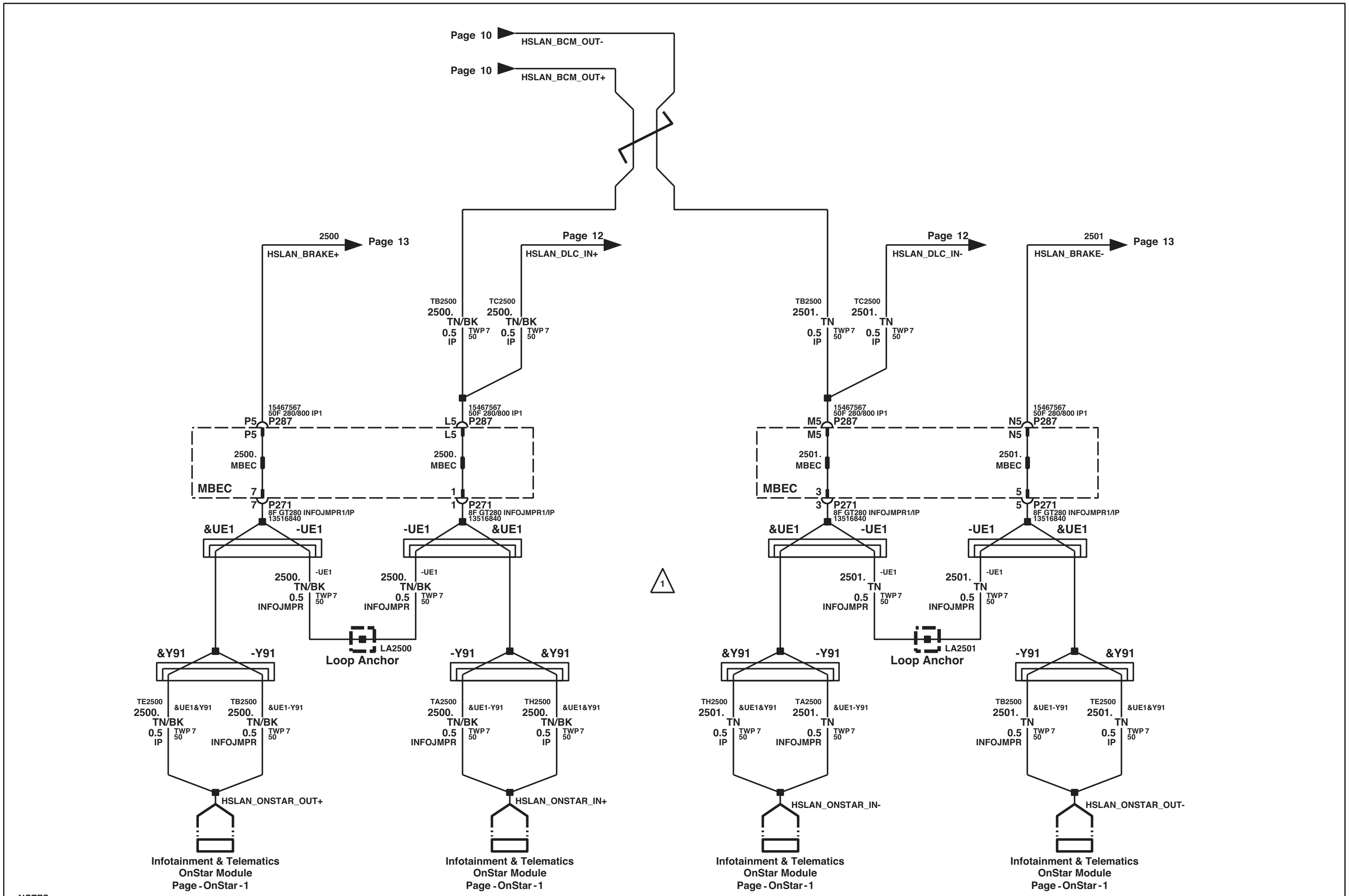
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HSLAN_BCM_OUT-
Page 10
HSLAN_BCM_OUT+
2500
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HSLAN_BRAKE+
Page 12
HSLAN_DLC_IN+
Page 12
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2501
Page 13
HSLAN_BRAKE-
TB2500 2500. TN/BK 0.5 IP TWP 7 50
TC2500 2500. TN/BK 0.5 IP TWP 7 50
TB2500 2501. TN 0.5 IP TWP 7 50
TC2500 2501. TN 0.5 IP TWP 7 50
15467567 50F 280/800 IP1
P5 P287
L5 P287
M5 P287
N5 P287
2500. MBEC
2501. MBEC
MBEC
7 P271
1 P271
3 P271
5 P271
8F GT280 INFOJMPR1/IP 13516840
&UE1
-UE1
2500. TN/BK 0.5 INFOJMPR TWP 7 50
2501. TN 0.5 INFOJMPR TWP 7 50
LA2500 Loop Anchor
LA2501 Loop Anchor
1
&Y91
-Y91
TE2500 2500. TN/BK 0.5 IP &UE1&Y91 TWP 7 50
TB2500 2500. TN/BK 0.5 INFOJMPR &UE1-Y91 TWP 7 50
TA2500 2500. TN/BK 0.5 INFOJMPR &UE1-Y91 TWP 7 50
TH2500 2500. TN/BK 0.5 IP &UE1&Y91 TWP 7 50
TH2500 2501. TN 0.5 IP &UE1&Y91 TWP 7 50
TA2500 2501. TN 0.5 INFOJMPR &UE1-Y91 TWP 7 50
TB2500 2501. TN 0.5 INFOJMPR &UE1-Y91 TWP 7 50
TE2500 2501. TN 0.5 IP &UE1&Y91 TWP 7 50
HSLAN_ONSTAR_OUT+
HSLAN_ONSTAR_IN+
HSLAN_ONSTAR_IN-
HSLAN_ONSTAR_OUT-
Infotainment & Telematics OnStar Module Page - OnStar - 1

NOTES
- • 1 – HS GMLAN LENGTH FROM THE MBEC
- • 1 – TO THE ONSTAR MODULE MUST BE
- • 1 – LESS THAN 1 METER.

THE BCM IS A "PRIMARY" LS GMLAN NODE, INSTEAD OF A "UNIT" LS GMLAN NODE.

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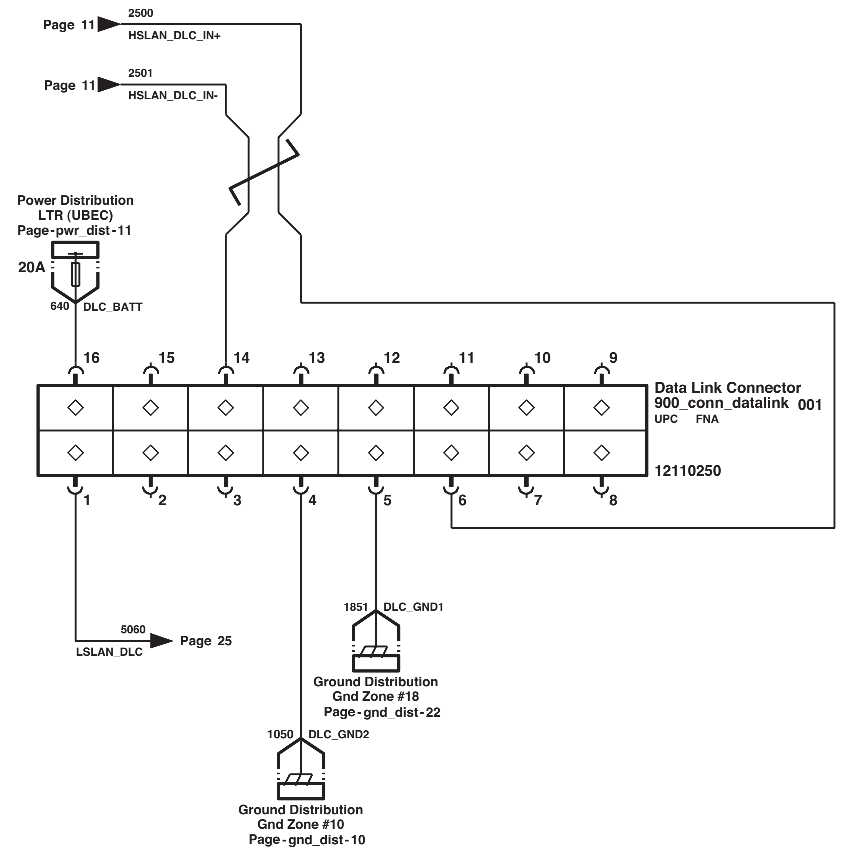
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2500
HSLAN_DLC_IN+
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2501
HSLAN_DLC_IN-
Power Distribution
LTR (UBEC)
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20A
640 DLC_BATT
16
15
14
13
12
11
10
9
Data Link Connector
900_conn_datalink 001
UPC FNA
12110250
1
2
3
4
5
6
7
8
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5060
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Ground Distribution
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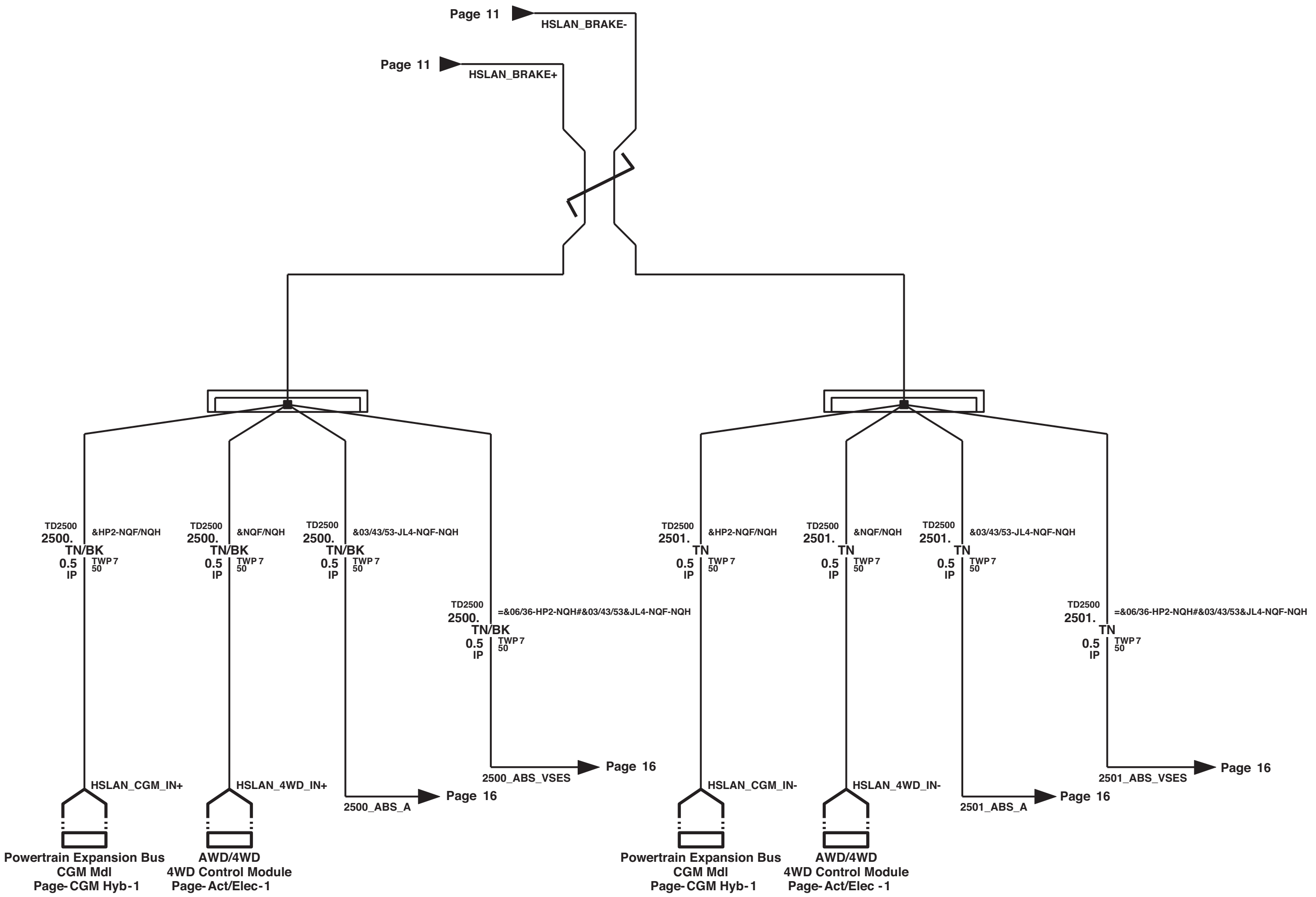
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Page 11
HSLAN_BRAKE+
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TN/BK
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TWP 7
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TD2500
2500.
TN/BK
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IP
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TN/BK
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TN/BK
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TWP 7
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HSLAN_4WD_IN+
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2500_ABS_VSES
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HSLAN_4WD_IN-
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2501_ABS_VSES
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AWD/4WD
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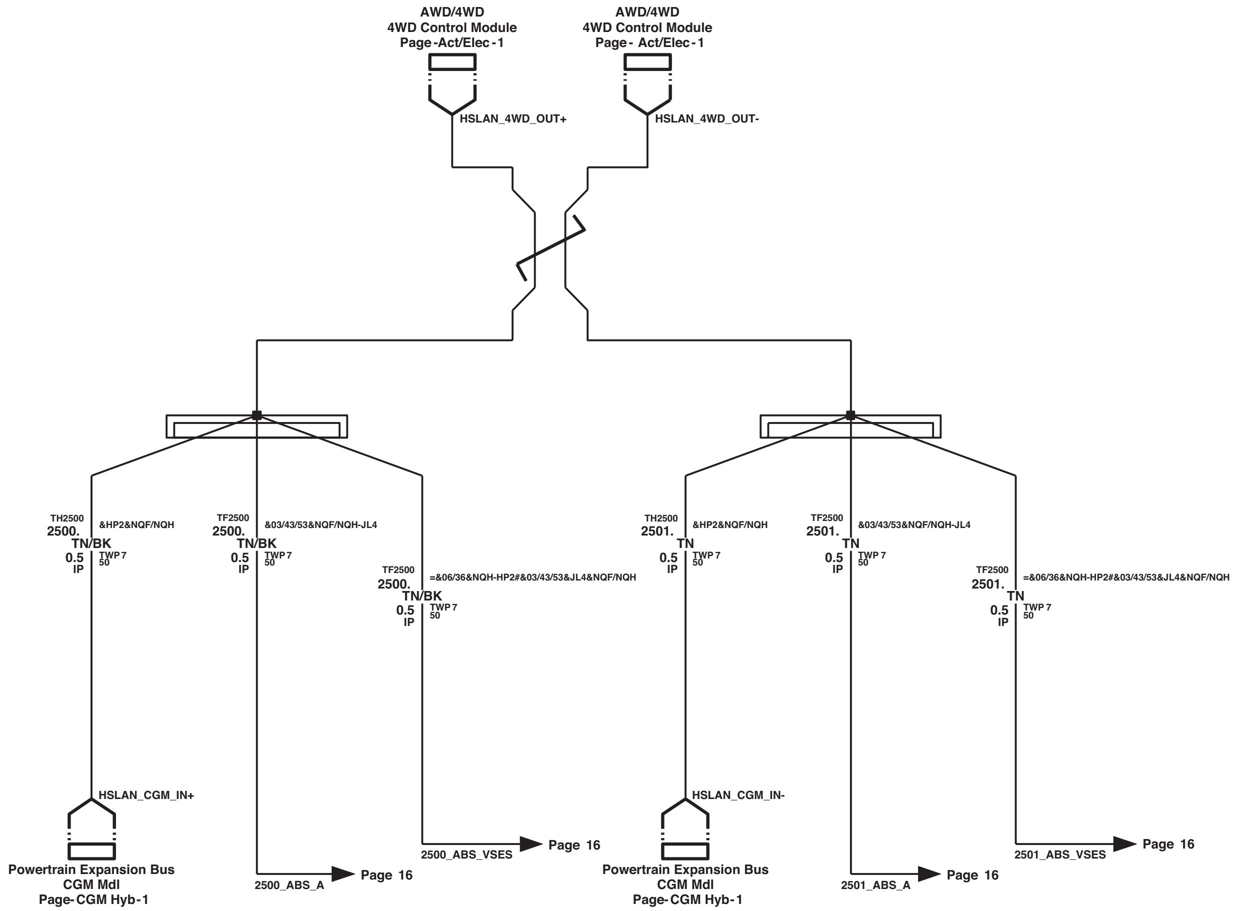
AWD/4WD
4WD Control Module
Page-Act/Elec-1
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AWD/4WD
4WD Control Module
Page- Act/Elec-1
HSLAN_4WD_OUT-
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TN/BK
0.5
IP
TWP 7
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TF2500
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TN/BK
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IP
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TN/BK
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IP
TWP 7
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HSLAN_CGM_IN+
Powertrain Expansion Bus
CGM Mdl
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2500_ABS_A
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HSLAN_CGM_IN-
Powertrain Expansion Bus
CGM Mdl
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MVBS
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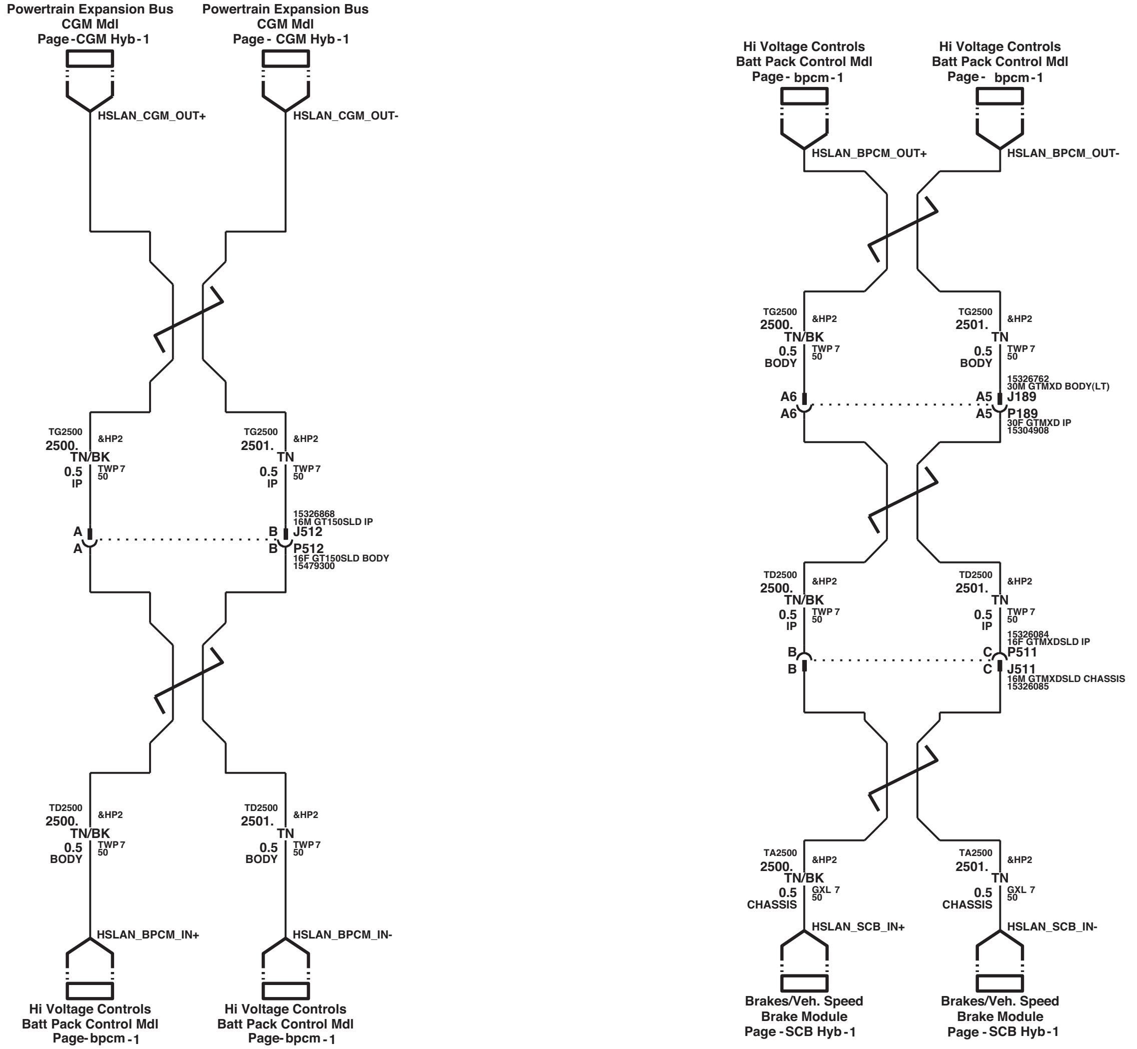
Powertrain Expansion Bus
CGM Mdl
Page-CGM Hyb-1
Powertrain Expansion Bus
CGM Mdl
Page- CGM Hyb-1
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2500.
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TN/BK
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IP
TWP 7
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TG2500
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&HP2
TN
0.5
IP
TWP 7
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A
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B
B
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J512
P512
16F GT150SLD BODY
15479300
TD2500
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&HP2
TN/BK
0.5
BODY
TWP 7
50
TD2500
2501.
&HP2
TN
0.5
BODY
TWP 7
50
HSLAN_BPCM_IN+
HSLAN_BPCM_IN-
Hi Voltage Controls
Batt Pack Control Mdl
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Hi Voltage Controls
Batt Pack Control Mdl
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Page- bpcm-1
Hi Voltage Controls
Batt Pack Control Mdl
Page- bpcm-1
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HSLAN_BPCM_OUT-
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&HP2
TN/BK
0.5
BODY
TWP 7
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BODY
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A6
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A5
A5
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P189
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TN/BK
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&HP2
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IP
TWP 7
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B
B
C
C
P511
J511
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TN/BK
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CHASSIS
GXL 7
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TA2500
2501.
&HP2
TN
0.5
CHASSIS
GXL 7
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HSLAN_SCB_IN+
HSLAN_SCB_IN-
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Brake Module
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Brake Module
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GMT900
MVBS
System Status: Object Status:

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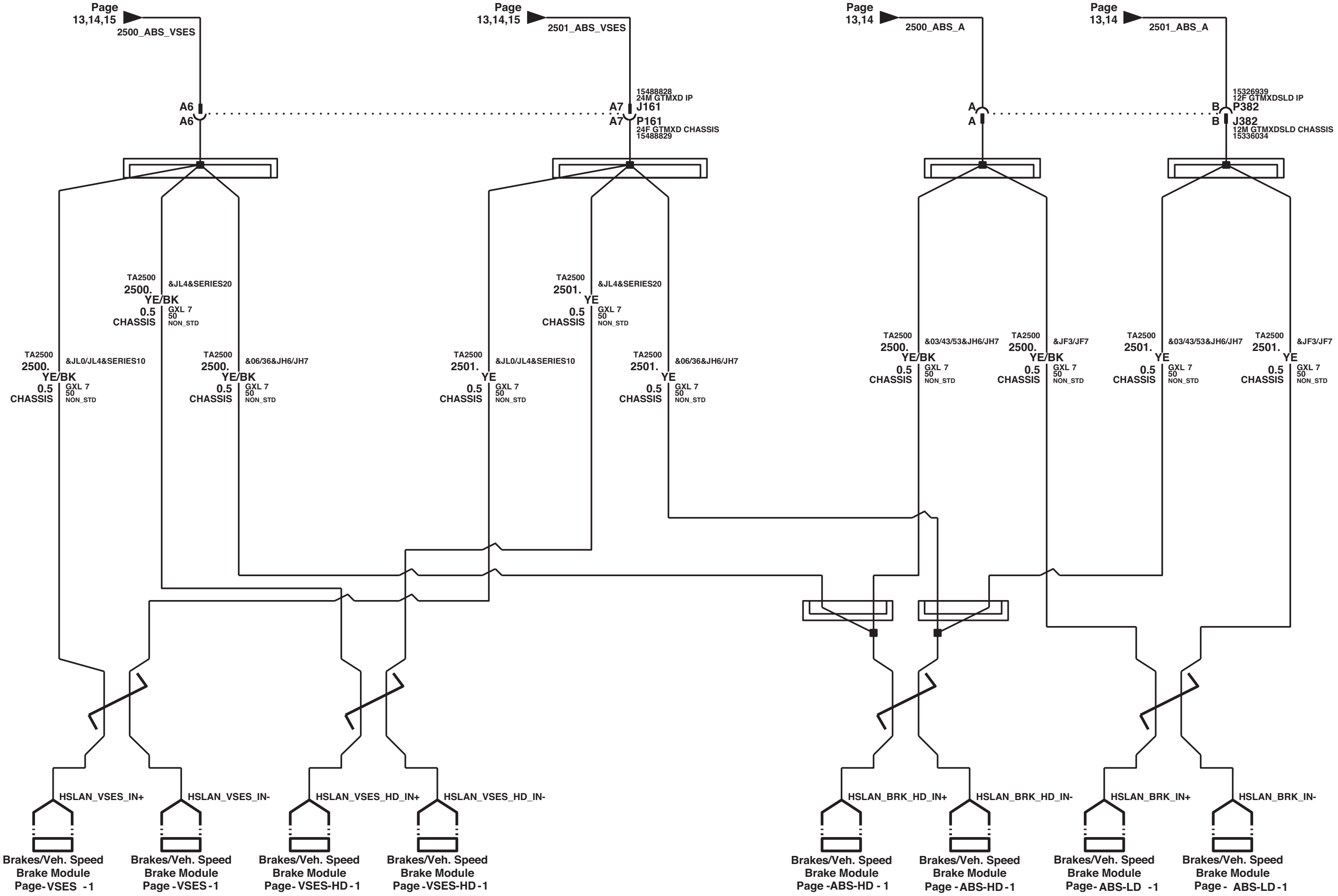
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A6
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A7
A7
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24M GTMXD IP
J161
P161
24F GTMXD CHASSIS
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P382
J382
12M GTMXDSLD CHASSIS
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YE/BK
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YE/BK
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&06/36&JH6/JH7
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&JL4&SERIES20
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YE/BK
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YE/BK
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HSLAN_VSES_HD_IN+
HSLAN_VSES_HD_IN-
HSLAN_BRK_HD_IN+
HSLAN_BRK_HD_IN-
HSLAN_BRK_IN+
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2008
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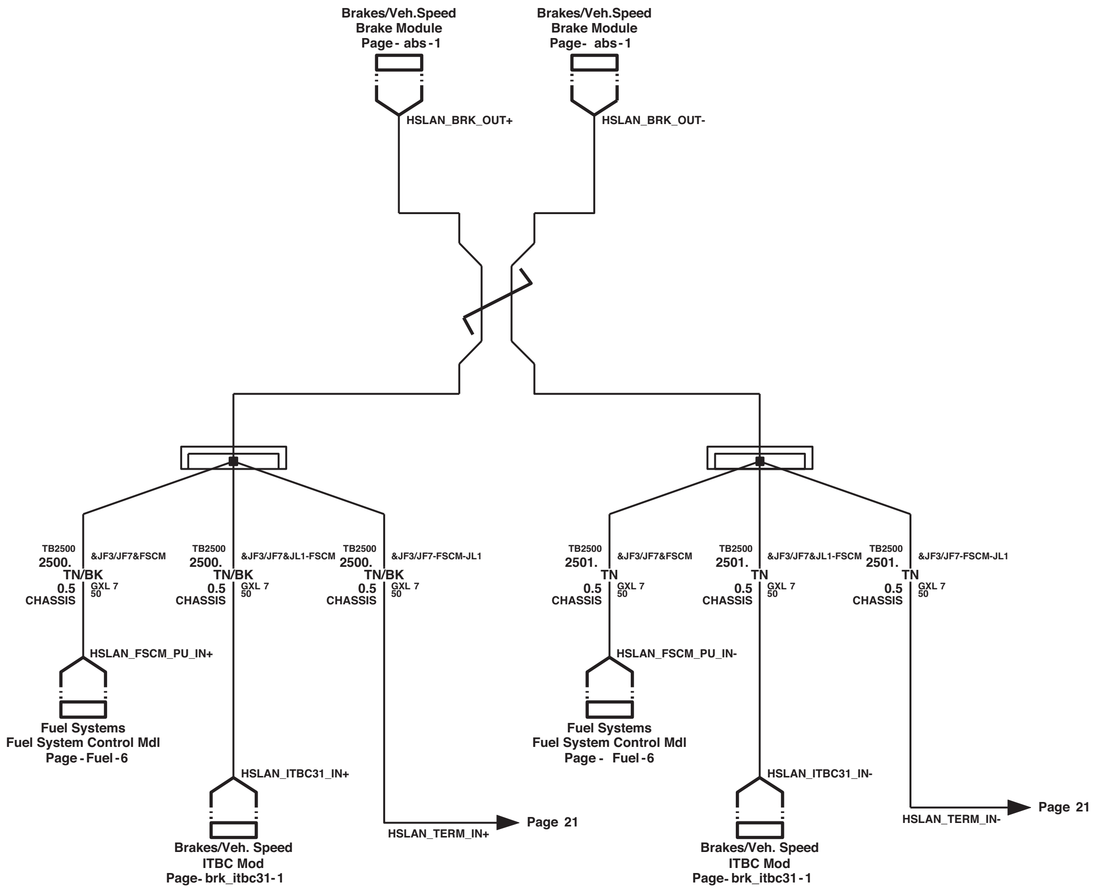
MVBS
System Status: Object Status:

Power Moding/Serial Data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Brake Module
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Brakes/Veh.Speed
Brake Module
Page - abs - 1
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TB2500
2500.
&JF3/JF7&FSCM
TN/BK
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GXL 7
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CHASSIS
TB2500
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TN/BK
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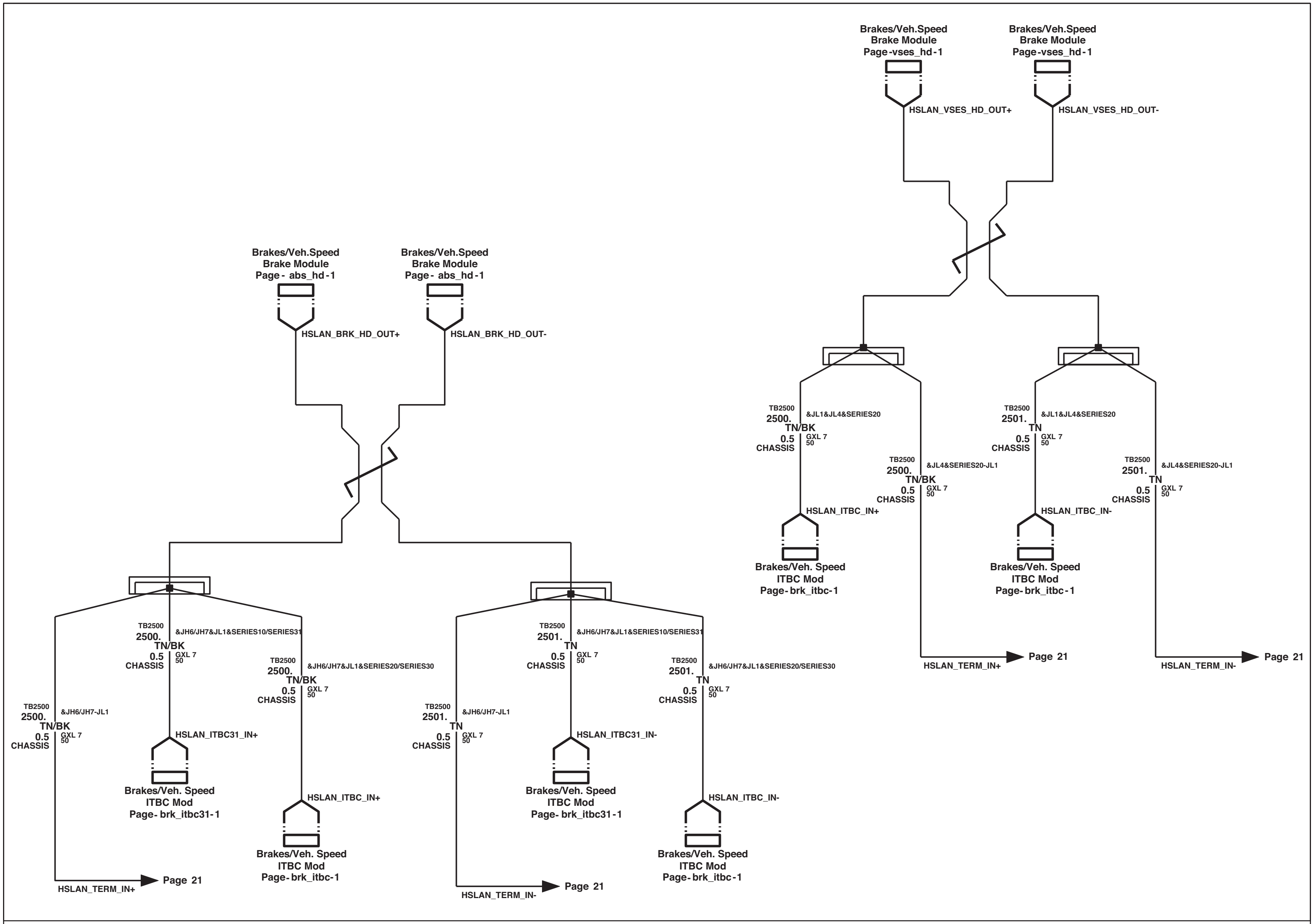
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Brake Module
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Brakes/Veh.Speed
Brake Module
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Brakes/Veh.Speed
Brake Module
Page- abs_hd-1
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TN/BK
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TN/BK
0.5
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Brakes/Veh. Speed
ITBC Mod
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ITBC Mod
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HSLAN_TERM_IN-
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TN/BK
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TN/BK
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TN/BK
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Brakes/Veh. Speed
ITBC Mod
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Page 21
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GXL 7
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Brakes/Veh. Speed
ITBC Mod
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MVBS
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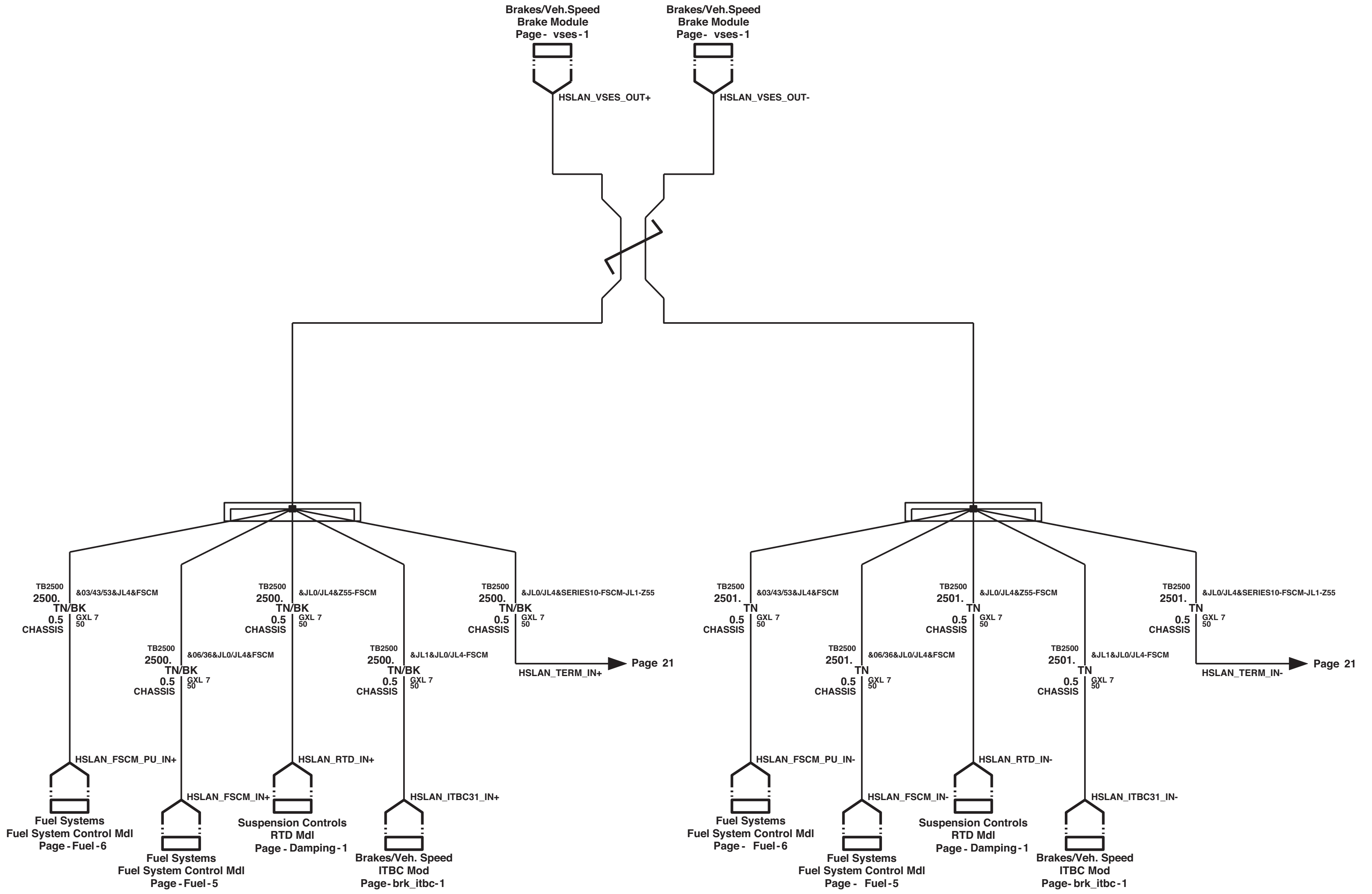
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Brake Module
Page - vses - 1
Brakes/Veh.Speed
Brake Module
Page - vses - 1
HSLAN_VSES_OUT+
HSLAN_VSES_OUT-
TB2500
2500.
TN/BK
0.5
CHASSIS
&03/43/53&JL4&FSCM
GXL 7
50
TB2500
2500.
TN/BK
0.5
CHASSIS
&06/36&JL0/JL4&FSCM
GXL 7
50
TB2500
2500.
TN/BK
0.5
CHASSIS
&JL0/JL4&Z55-FSCM
GXL 7
50
TB2500
2500.
TN/BK
0.5
CHASSIS
&JL1&JL0/JL4-FSCM
GXL 7
50
TB2500
2500.
TN/BK
0.5
CHASSIS
&JL0/JL4&SERIES10-FSCM-JL1-Z55
GXL 7
50
HSLAN_TERM_IN+
Page 21
HSLAN_FSCM_PU_IN+
HSLAN_FSCM_IN+
HSLAN_RTD_IN+
HSLAN_ITBC31_IN+
Fuel Systems
Fuel System Control Mdl
Page - Fuel - 6
Fuel Systems
Fuel System Control Mdl
Page - Fuel - 5
Suspension Controls
RTD Mdl
Page - Damping - 1
Brakes/Veh. Speed
ITBC Mod
Page - brk_itbc - 1
TB2500
2501.
TN
0.5
CHASSIS
&03/43/53&JL4&FSCM
GXL 7
50
TB2500
2501.
TN
0.5
CHASSIS
&06/36&JL0/JL4&FSCM
GXL 7
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TB2500
2501.
TN
0.5
CHASSIS
&JL0/JL4&Z55-FSCM
GXL 7
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TB2500
2501.
TN
0.5
CHASSIS
&JL1&JL0/JL4-FSCM
GXL 7
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TB2500
2501.
TN
0.5
CHASSIS
&JL0/JL4&SERIES10-FSCM-JL1-Z55
GXL 7
50
HSLAN_TERM_IN-
Page 21
HSLAN_FSCM_PU_IN-
HSLAN_FSCM_IN-
HSLAN_RTD_IN-
HSLAN_ITBC31_IN-
Fuel Systems
Fuel System Control Mdl
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Fuel Systems
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Page - Fuel - 5
Suspension Controls
RTD Mdl
Page - Damping - 1
Brakes/Veh. Speed
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Page - brk_itbc - 1

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Power Moding/Serial Data
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2008
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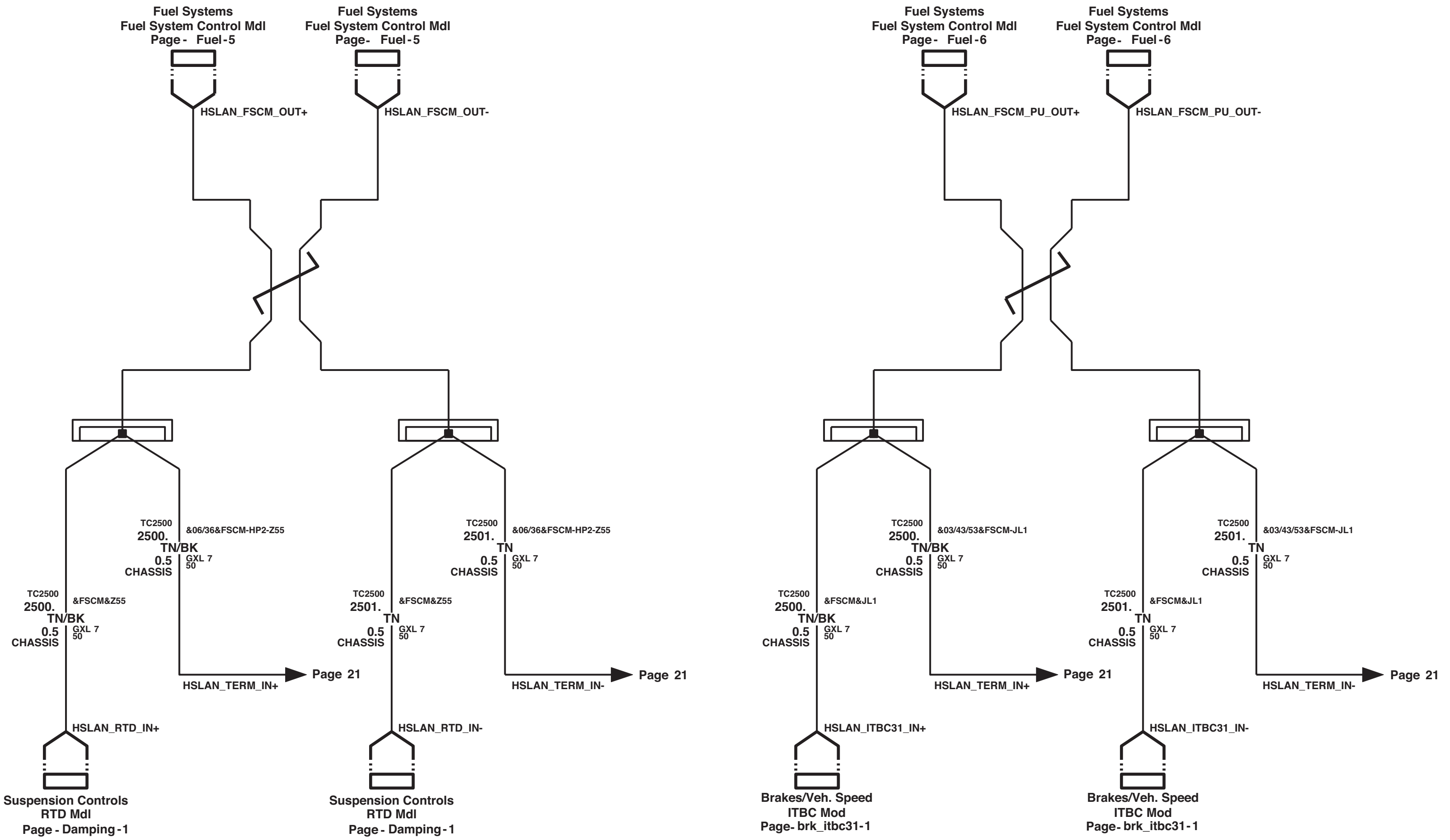
MVBS
System Status: Object Status:

Power Moding/Serial Data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Fuel System Control Mdl
Page - Fuel - 5
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Fuel Systems
Fuel System Control Mdl
Page - Fuel - 5
HSLAN_FSCM_OUT-
Fuel Systems
Fuel System Control Mdl
Page - Fuel - 6
HSLAN_FSCM_PU_OUT+
Fuel Systems
Fuel System Control Mdl
Page - Fuel - 6
HSLAN_FSCM_PU_OUT-
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TN/BK
0.5
CHASSIS
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GXL 7
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TC2500
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TN
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CHASSIS
&06/36&FSCM-HP2-Z55
GXL 7
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TC2500
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TN/BK
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CHASSIS
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TC2500
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TN/BK
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CHASSIS
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GXL 7
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TC2500
2501.
TN
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CHASSIS
&FSCM&Z55
GXL 7
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TC2500
2500.
TN/BK
0.5
CHASSIS
&FSCM&JL1
GXL 7
50
TC2500
2501.
TN
0.5
CHASSIS
&FSCM&JL1
GXL 7
50
HSLAN_TERM_IN+
Page 21
HSLAN_TERM_IN-
Page 21
HSLAN_TERM_IN+
Page 21
HSLAN_TERM_IN-
Page 21
HSLAN_RTD_IN+
Suspension Controls
RTD Mdl
Page - Damping - 1
HSLAN_RTD_IN-
Suspension Controls
RTD Mdl
Page - Damping - 1
HSLAN_ITBC31_IN+
Brakes/Veh. Speed
ITBC Mod
Page- brk_itbc31 - 1
HSLAN_ITBC31_IN-
Brakes/Veh. Speed
ITBC Mod
Page- brk_itbc31 - 1

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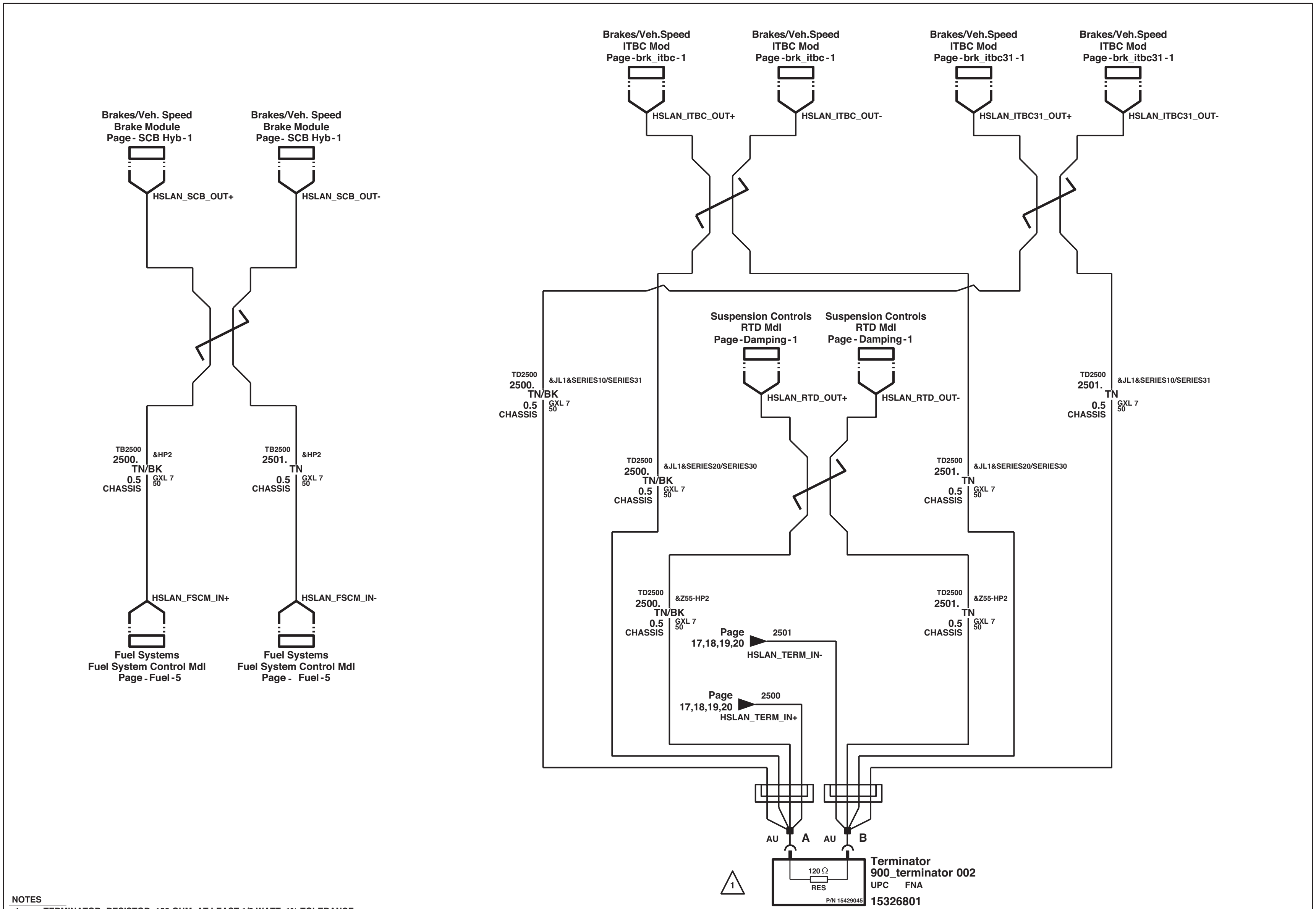
MVBS
System Status: Object Status:

Power Moding/Serial Data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ITBC Mod
Page-brk_itbc-1
HSLAN_ITBC_OUT-
Brakes/Veh.Speed
ITBC Mod
Page-brk_itbc31-1
HSLAN_ITBC31_OUT+
Brakes/Veh.Speed
ITBC Mod
Page-brk_itbc31-1
HSLAN_ITBC31_OUT-
Brakes/Veh. Speed
Brake Module
Page- SCB Hyb-1
HSLAN_SCB_OUT+
Brakes/Veh. Speed
Brake Module
Page- SCB Hyb-1
HSLAN_SCB_OUT-
Suspension Controls
RTD Mdl
Page-Damping-1
HSLAN_RTD_OUT+
Suspension Controls
RTD Mdl
Page-Damping-1
HSLAN_RTD_OUT-
TD2500 &JL1&SERIES10/SERIES31
2500. TN/BK 0.5 GXL 7 50 CHASSIS
TD2500 &JL1&SERIES10/SERIES31
2501. TN 0.5 GXL 7 50 CHASSIS
TB2500 &HP2
2500. TN/BK 0.5 GXL 7 50 CHASSIS
TB2500 &HP2
2501. TN 0.5 GXL 7 50 CHASSIS
TD2500 &JL1&SERIES20/SERIES30
2500. TN/BK 0.5 GXL 7 50 CHASSIS
TD2500 &JL1&SERIES20/SERIES30
2501. TN 0.5 GXL 7 50 CHASSIS
TD2500 &Z55-HP2
2500. TN/BK 0.5 GXL 7 50 CHASSIS
TD2500 &Z55-HP2
2501. TN 0.5 GXL 7 50 CHASSIS
HSLAN_FSCM_IN+
HSLAN_FSCM_IN-
Fuel Systems
Fuel System Control Mdl
Page-Fuel-5
Fuel Systems
Fuel System Control Mdl
Page- Fuel-5
Page 17,18,19,20
2501
HSLAN_TERM_IN-
Page 17,18,19,20
2500
HSLAN_TERM_IN+
AU A
AU B
120 Ω
RES
P/N 15429045
1
Terminator
900_terminator 002
UPC FNA
15326801

NOTES

- 1 – TERMINATOR: RESISTOR=120 OHM, AT LEAST 1/2 WATT, 1% TOLERANCE

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System Status: Object Status:

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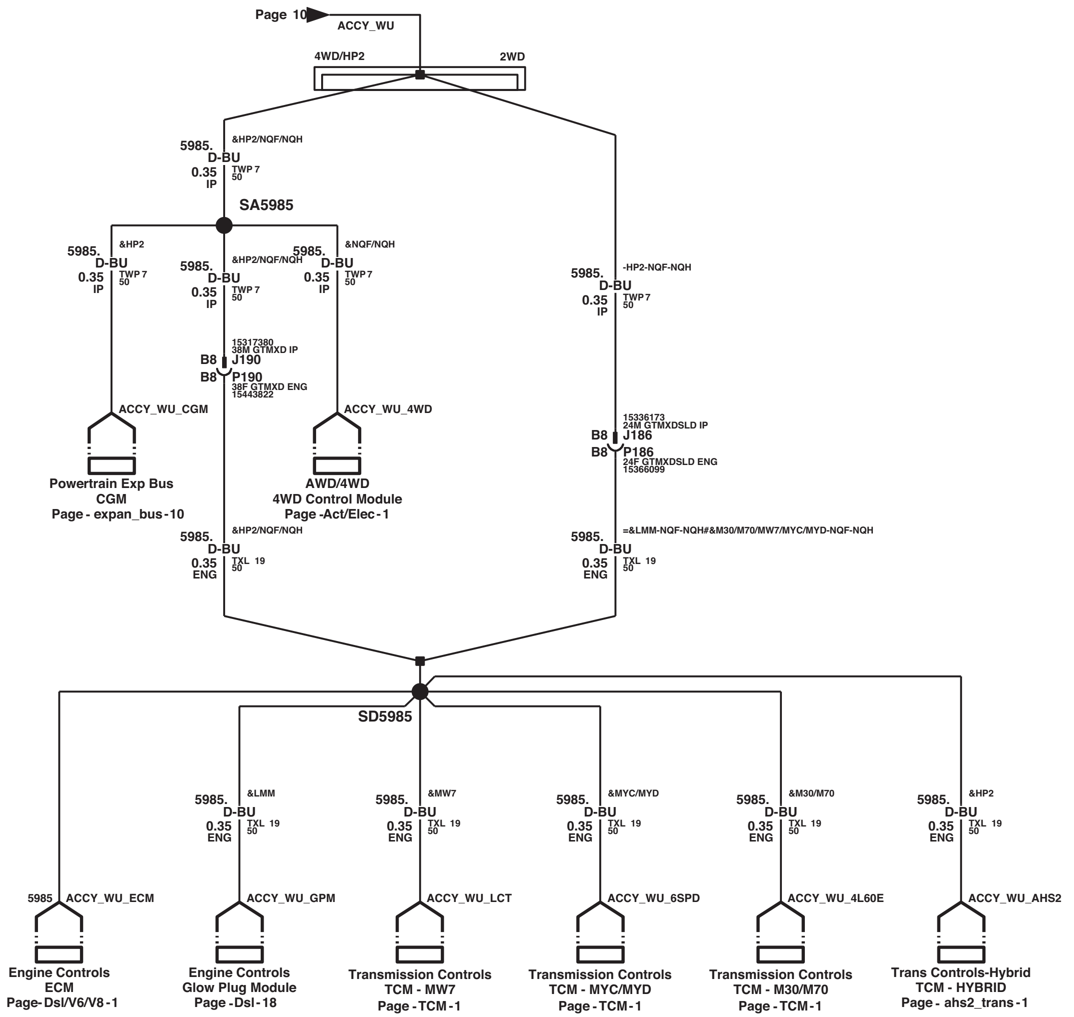
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2WD
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TWP 7
50
SA5985
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D-BU
0.35
IP
&HP2
TWP 7
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D-BU
0.35
IP
&HP2/NQF/NQH
TWP 7
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D-BU
0.35
IP
&NQF/NQH
TWP 7
50
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D-BU
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TWP 7
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38M GTMXD IP
B8
J190
B8
P190
38F GTMXD ENG
15443822
ACCY_WU_CGM
ACCY_WU_4WD
Powertrain Exp Bus
CGM
Page - expan_bus - 10
AWD/4WD
4WD Control Module
Page -Act/Elec - 1
15336173
24M GTMXDSLD IP
B8
J186
B8
P186
24F GTMXDSLD ENG
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ENG
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TXL 19
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0.35
ENG
=&LMM-NQF-NQH#&M30/M70/MW7/MYC/MYD-NQF-NQH
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ACCY_WU_GPM
ACCY_WU_LCT
ACCY_WU_6SPD
ACCY_WU_4L60E
ACCY_WU_AHS2
Engine Controls
ECM
Page- Dsl/V6/V8 - 1
Engine Controls
Glow Plug Module
Page - Dsl - 18
Transmission Controls
TCM - MW7
Page - TCM - 1
Transmission Controls
TCM - MYC/MYD
Page - TCM - 1
Transmission Controls
TCM - M30/M70
Page - TCM - 1
Trans Controls-Hybrid
TCM - HYBRID
Page - ahs2_trans - 1

NOTE:
FOR GMT900 NQG IS ONLY AVAILABLE
WITH A MANUAL TRANSMISSION.

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MVBS
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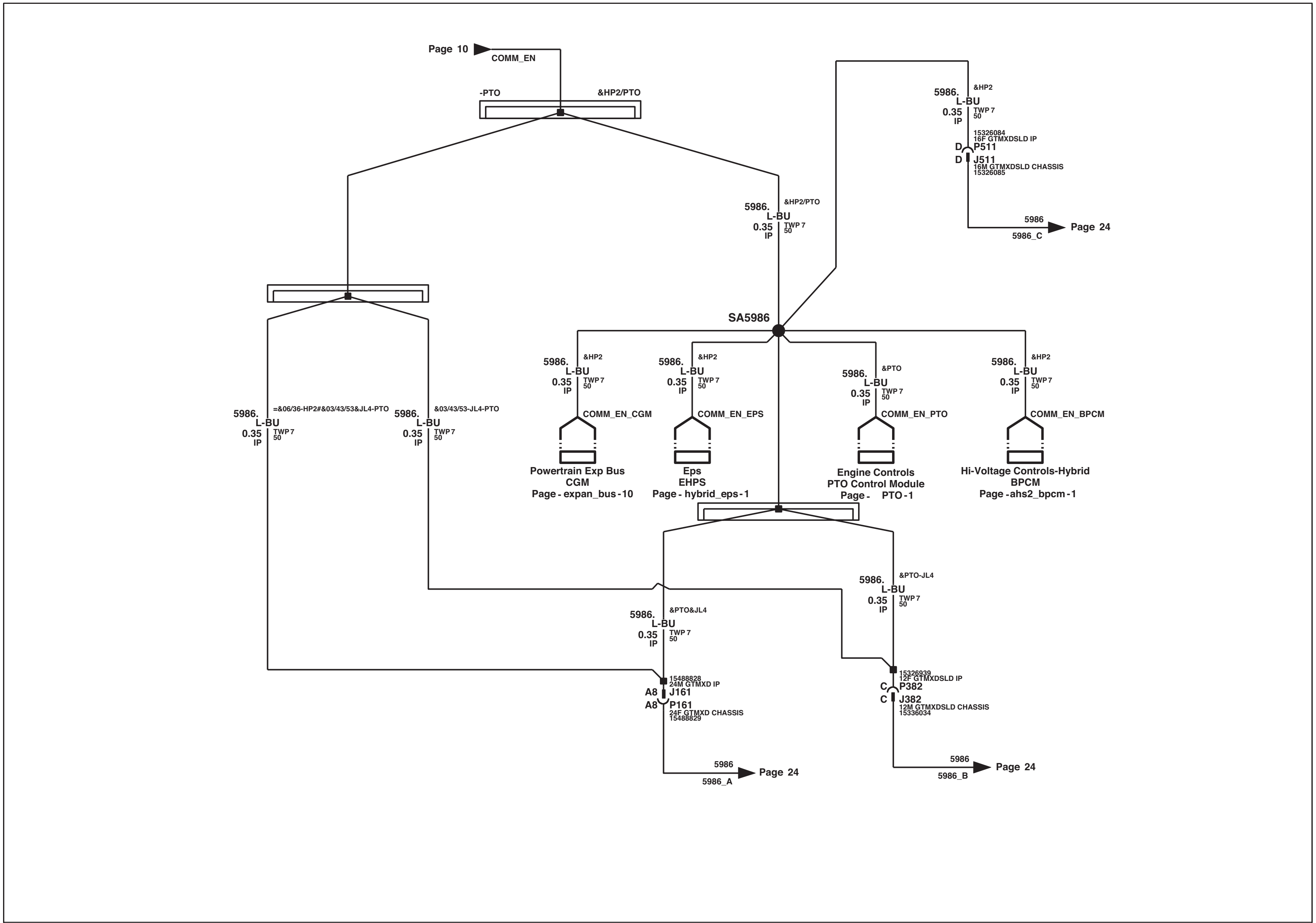
Power Moding/Serial Data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-PTO
&HP2/PTO
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L-BU
0.35
TWP 7
50
IP
15326084
16F GTMXDSLD IP
D
P511
D
J511
16M GTMXDSLD CHASSIS
15326085
5986
5986_C
Page 24
5986.
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L-BU
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TWP 7
50
IP
SA5986
5986.
&HP2
L-BU
0.35
TWP 7
50
IP
COMM_EN_CGM
Powertrain Exp Bus
CGM
Page - expan_bus - 10
5986.
&HP2
L-BU
0.35
TWP 7
50
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COMM_EN_EPS
Eps
EHPS
Page - hybrid_eps - 1
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L-BU
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TWP 7
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Engine Controls
PTO Control Module
Page - PTO - 1
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L-BU
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TWP 7
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Hi-Voltage Controls-Hybrid
BPCM
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IP
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TWP 7
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IP
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TWP 7
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24M GTMXD IP
A8
J161
A8
P161
24F GTMXD CHASSIS
15488829
15326939
12F GTMXDSLD IP
C
P382
C
J382
12M GTMXDSLD CHASSIS
15336034
5986
5986_A
Page 24
5986
5986_B
Page 24

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Power Moding/Serial Data
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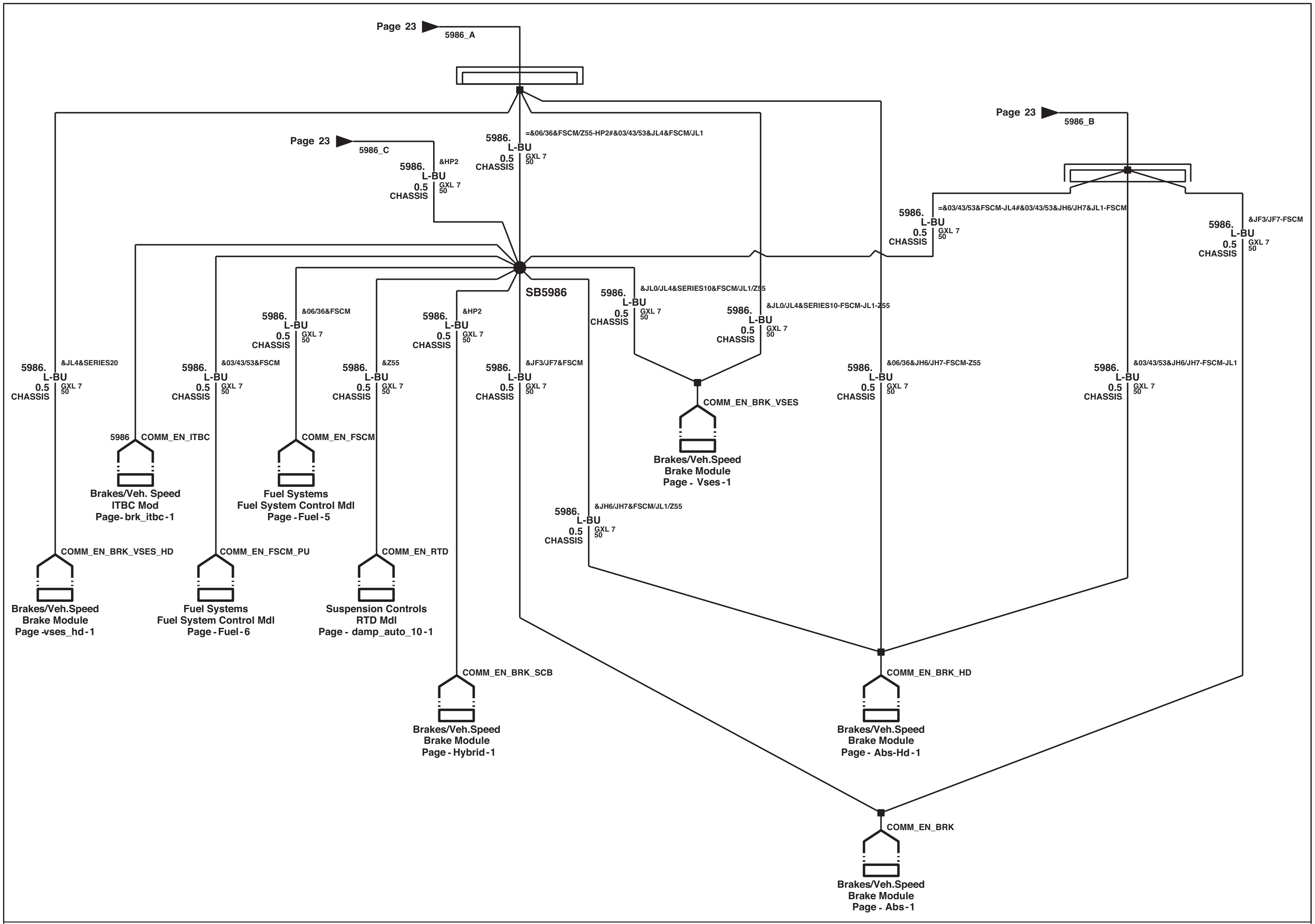
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data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Page 23
5986_B
Page 23
5986_C
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&HP2
=&03/43/53&FSCM-JL4#&03/43/53&JH6/JH7&JL1-FSCM
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&JH6/JH7&FSCM/JL1/Z55
COMM_EN_BRK_VSES
Brakes/Veh.Speed
Brake Module
Page - Vses-1
5986
COMM_EN_ITBC
Brakes/Veh. Speed
ITBC Mod
Page- brk_itbc-1
COMM_EN_FSCM
Fuel Systems
Fuel System Control Mdl
Page - Fuel-5
COMM_EN_BRK_VSES_HD
Brakes/Veh.Speed
Brake Module
Page -vses_hd-1
COMM_EN_FSCM_PU
Fuel Systems
Fuel System Control Mdl
Page - Fuel-6
COMM_EN_RTD
Suspension Controls
RTD Mdl
Page - damp_auto_10-1
COMM_EN_BRK_SCB
Brakes/Veh.Speed
Brake Module
Page - Hybrid-1
COMM_EN_BRK_HD
Brakes/Veh.Speed
Brake Module
Page - Abs-Hd-1
COMM_EN_BRK
Brakes/Veh.Speed
Brake Module
Page - Abs-1

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2008
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MVBS
System Status: Object Status:

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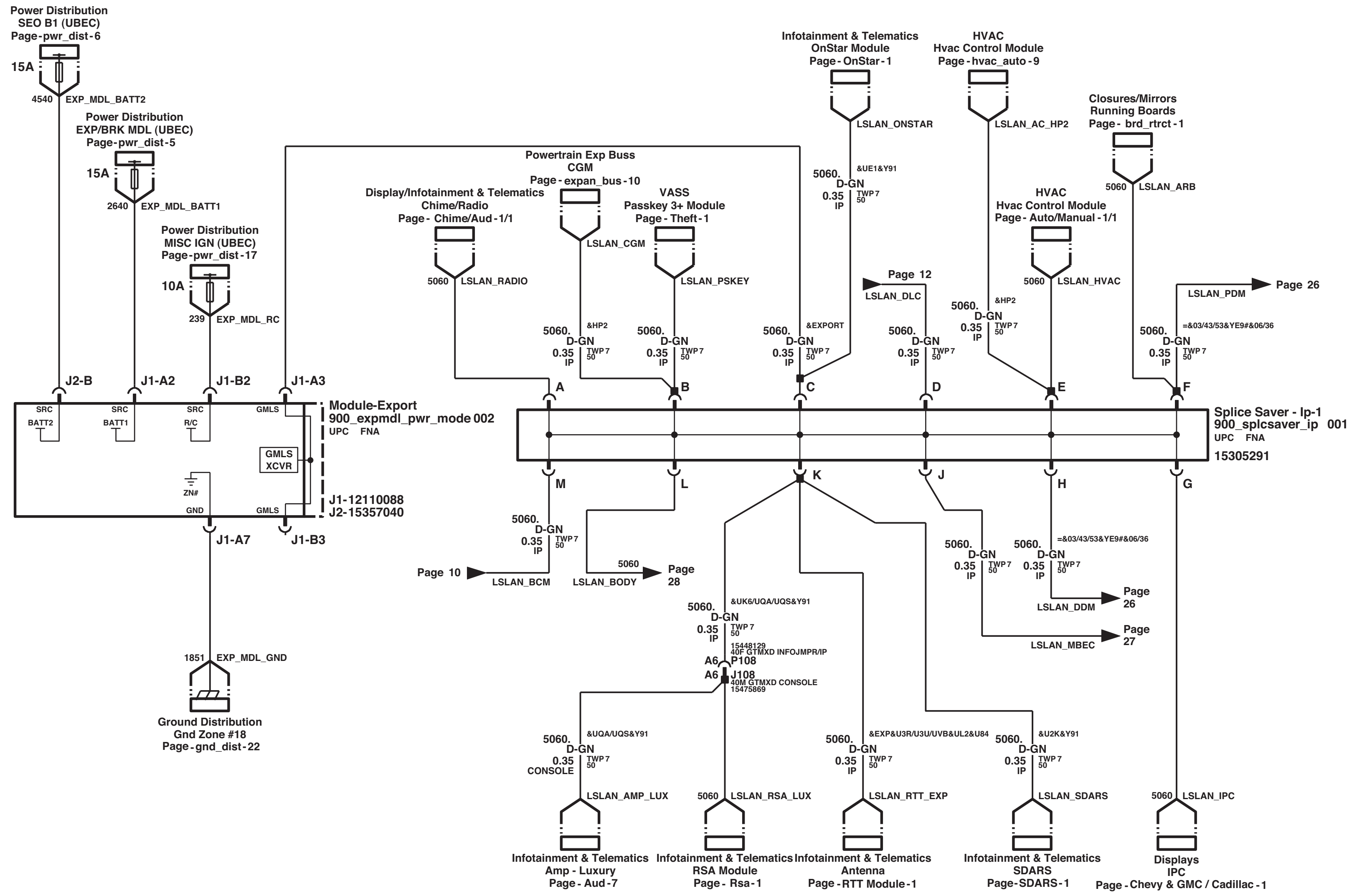
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EXP/BRK MDL (UBEC)
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MISC IGN (UBEC)
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239 EXP_MDL_RC
J2-B
J1-A2
J1-B2
J1-A3
SRC BATT2
SRC BATT1
SRC R/C
GMLS
GMLS XCVR
ZN#
GND
GMLS
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J1-12110088
J2-15357040
J1-A7
J1-B3
1851 EXP_MDL_GND
Ground Distribution
Gnd Zone #18
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Display/Infotainment & Telematics
Chime/Radio
Page- Chime/Aud-1/1
5060 LSLAN_RADIO
Powertrain Exp Buss
CGM
Page-expan_bus-10
LSLAN_CGM
VASS
Passkey 3+ Module
Page- Theft-1
LSLAN_PSKEY
Infotainment & Telematics
OnStar Module
Page- OnStar-1
LSLAN_ONSTAR
&UE1&Y91
HVAC
Hvac Control Module
Page-hvac_auto-9
LSLAN_AC_HP2
&HP2
HVAC
Hvac Control Module
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5060 LSLAN_HVAC
Closures/Mirrors
Running Boards
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Page 12
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Page 28
LSLAN_DDM
Page 26
LSLAN_MBEC
Page 27
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LSLAN_RTT_EXP
LSLAN_SDARS
5060 LSLAN_IPC
Infotainment & Telematics
Amp - Luxury
Page - Aud-7
Infotainment & Telematics
RSA Module
Page- Rsa-1
Infotainment & Telematics
Antenna
Page - RTT Module-1
Infotainment & Telematics
SDARS
Page-SDARS-1
Displays
IPC
Page - Chevy & GMC / Cadillac-1

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2008
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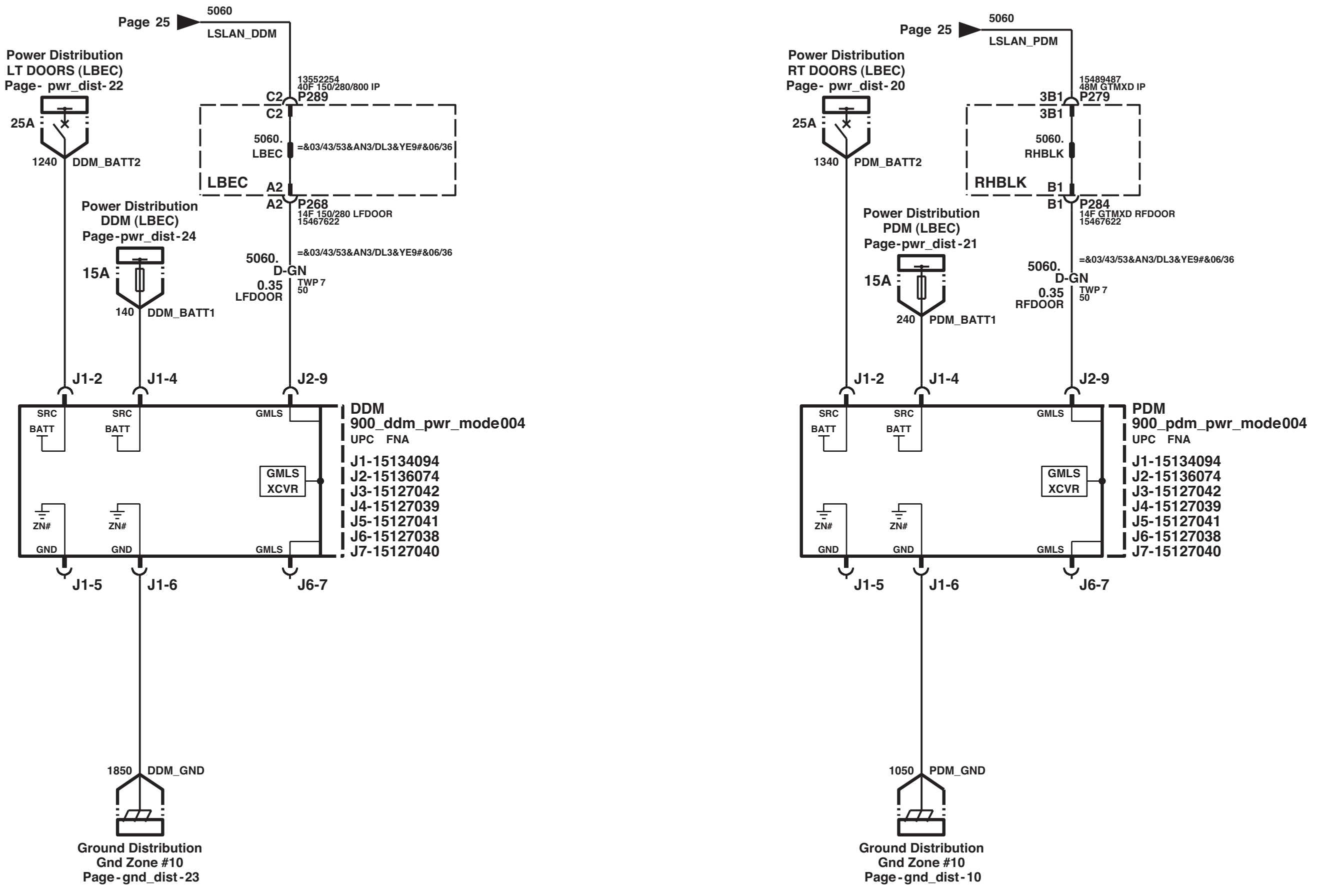
MVBS
System Status: Object Status:

Power Moding/Serial Data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40F 150/280/800 IP
C2
P289
C2
5060.
LBEC
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LBEC
A2
A2
P268
14F 150/280 LFDOOR
15467622
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J1-4
J2-9
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BATT
SRC
BATT
GMLS
GMLS
XCVR
ZN#
ZN#
GND
GND
GMLS
DDM
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UPC FNA
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J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
J1-5
J1-6
J6-7
1850
DDM_GND
Ground Distribution
Gnd Zone #10
Page-gnd_dist-23
Page 25
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LSLAN_PDM
Power Distribution
RT DOORS (LBEC)
Page- pwr_dist-20
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1340
PDM_BATT2
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48M GTMXD IP
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P279
3B1
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RHBLK
RHBLK
B1
B1
P284
14F GTMXD RFDOOR
15467622
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PDM (LBEC)
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=&03/43/53&AN3/DL3&YE9#&06/36
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D-GN
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RFDOOR
TWP 7
50
J1-2
J1-4
J2-9
SRC
BATT
SRC
BATT
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GMLS
XCVR
ZN#
ZN#
GND
GND
GMLS
PDM
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J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
J1-5
J1-6
J6-7
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PDM_GND
Ground Distribution
Gnd Zone #10
Page-gnd_dist-10

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MVBS
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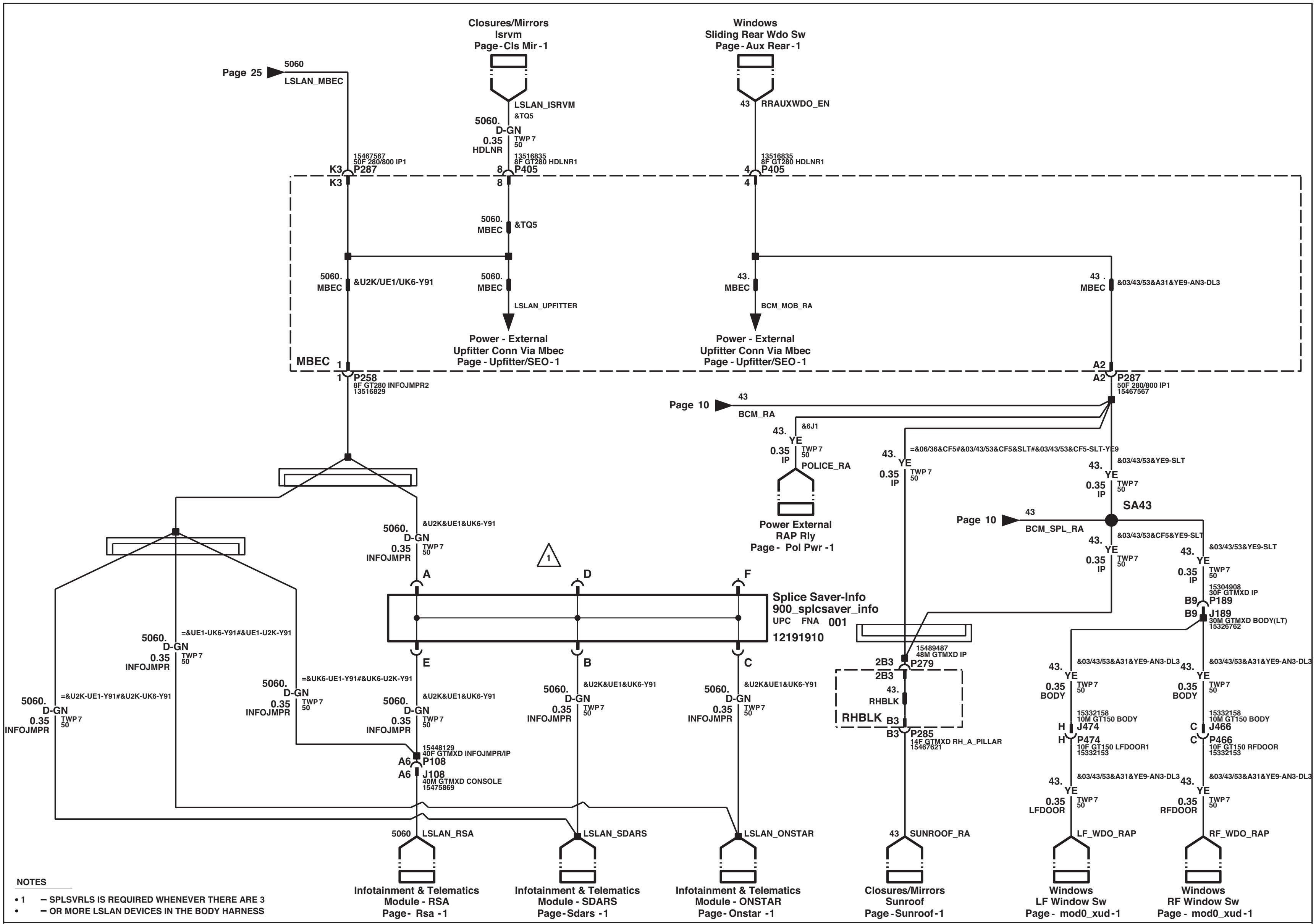
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HDLNR
TWP 7
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Sliding Rear Wdo Sw
Page-Aux Rear-1
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RRAUXWDO_EN
15467567
50F 280/800 IP1
K3 P287
K3
13516835
8F GT280 HDLNR1
8 P405
8
13516835
8F GT280 HDLNR1
4 P405
4
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MBEC
&TQ5
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MBEC
&U2K/UE1/UK6-Y91
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MBEC
LSLAN_UPFITTER
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MBEC
BCM_MOB_RA
43 .
MBEC
&03/43/53&A31&YE9-AN3-DL3
Power - External
Upfitter Conn Via Mbec
Page - Upfitter/SEO - 1
Power - External
Upfitter Conn Via Mbec
Page - Upfitter/SEO - 1
MBEC
1
1 P258
8F GT280 INFOJMPR2
13516829
A2
A2 P287
50F 280/800 IP1
15467567
Page 10
43
BCM_RA
&6J1
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YE
0.35
IP
TWP 7
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POLICE_RA
Power External
RAP Rly
Page - Pol Pwr -1
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YE
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IP
TWP 7
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TWP 7
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B9 P189
B9 J189
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A
D
F
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12191910
E
B
C
15489487
48M GTMXD IP
2B3 P279
2B3
43.
RHBLK
RHBLK B3
B3 P285
14F GTMXD RH_A_PILLAR
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TWP 7
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TWP 7
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BODY
TWP 7
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H J474
H P474
10F GT150 LFDOOR1
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15332158
10M GT150 BODY
C J466
C P466
10F GT150 RFDOOR
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LFDOOR
TWP 7
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YE
&03/43/53&A31&YE9-AN3-DL3
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RFDOOR
TWP 7
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5060 LSLAN_RSA
LSLAN_SDARS
LSLAN_ONSTAR
43 SUNROOF_RA
LF_WDO_RAP
RF_WDO_RAP
Infotainment & Telematics
Module - RSA
Page- Rsa -1
Infotainment & Telematics
Module - SDARS
Page-Sdars -1
Infotainment & Telematics
Module - ONSTAR
Page- Onstar -1
Closures/Mirrors
Sunroof
Page-Sunroof-1
Windows
LF Window Sw
Page- mod0_xud-1
Windows
RF Window Sw
Page- mod0_xud-1

NOTES

- 1 – SPLSVRLS IS REQUIRED WHENEVER THERE ARE 3
- – OR MORE LSLAN DEVICES IN THE BODY HARNESS

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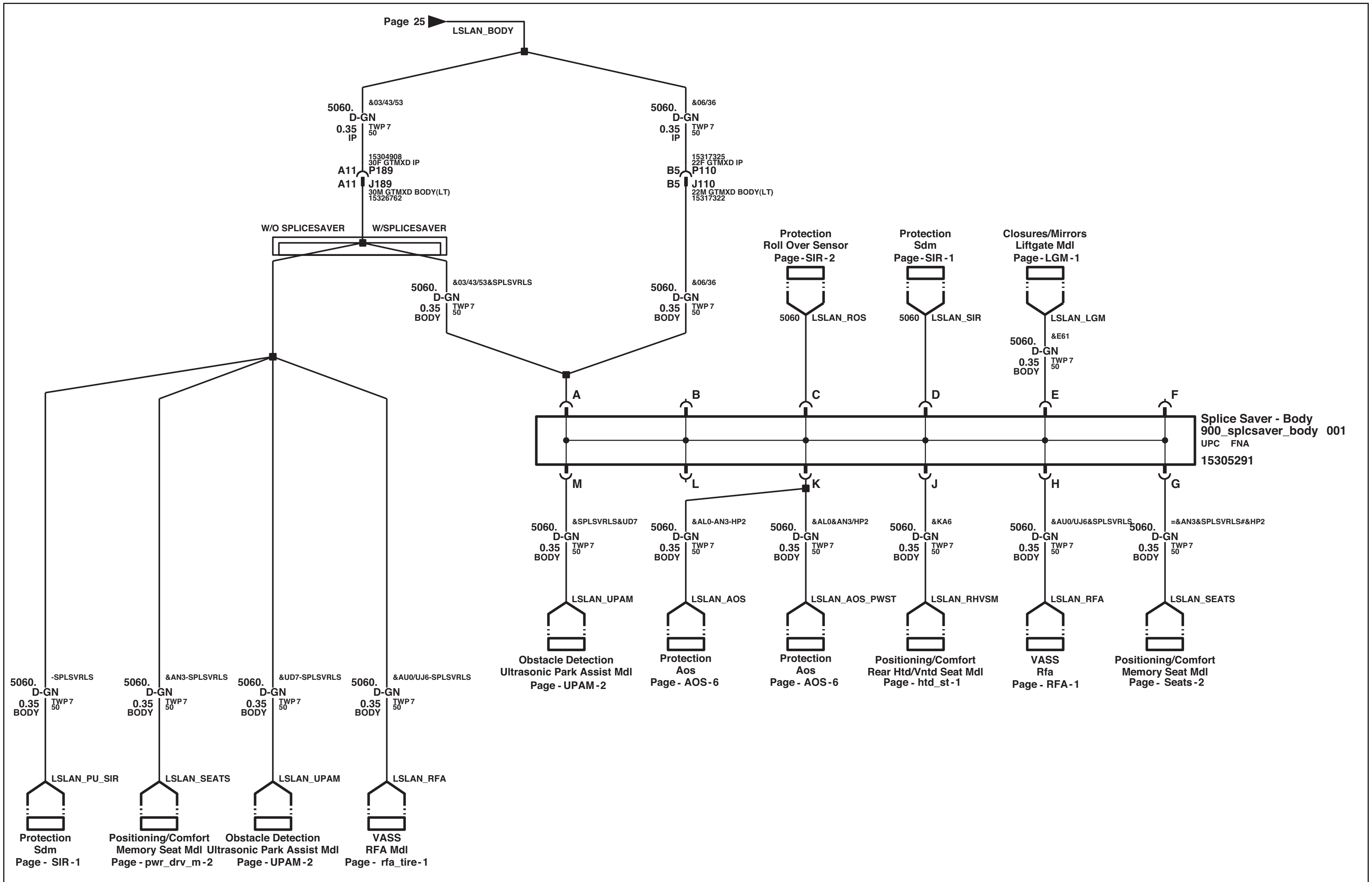
IEC/ESI

Power Moding/Serial Data

1_08_pwr_mode Panel 27 of 30

2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data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A11 P189
A11 J189
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IP
&06/36
TWP 7
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15317325
22F GTMXD IP
B5 P110
B5 J110
22M GTMXD BODY(LT)
15317322
W/O SPLICESAVER
W/SPLICESAVER
5060.
D-GN
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BODY
&03/43/53&SPLSVRLS
TWP 7
50
5060.
D-GN
0.35
BODY
&06/36
TWP 7
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Protection
Roll Over Sensor
Page - SIR - 2
5060 LSLAN_ROS
Protection
Sdm
Page - SIR - 1
5060 LSLAN_SIR
Closures/Mirrors
Liftgate Mdl
Page - LGM - 1
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&E61
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BODY
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A
B
C
D
E
F
Splice Saver - Body
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UPC FNA
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M
L
K
J
H
G
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D-GN
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BODY
&SPLSVRLS&UD7
TWP 7
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Obstacle Detection
Ultrasonic Park Assist Mdl
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D-GN
0.35
BODY
&AL0-AN3-HP2
TWP 7
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LSLAN_AOS
Protection
Aos
Page - AOS - 6
5060.
D-GN
0.35
BODY
&AL0&AN3/HP2
TWP 7
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LSLAN_AOS_PWST
Protection
Aos
Page - AOS - 6
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D-GN
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BODY
&KA6
TWP 7
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Rear Htd/Vntd Seat Mdl
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BODY
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TWP 7
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Sdm
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TWP 7
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Positioning/Comfort
Memory Seat Mdl
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Obstacle Detection
Ultrasonic Park Assist Mdl
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TWP 7
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LSLAN_RFA
VASS
RFA Mdl
Page - rfa_tire - 1

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IEC/ESI

Power Moding/Serial Data

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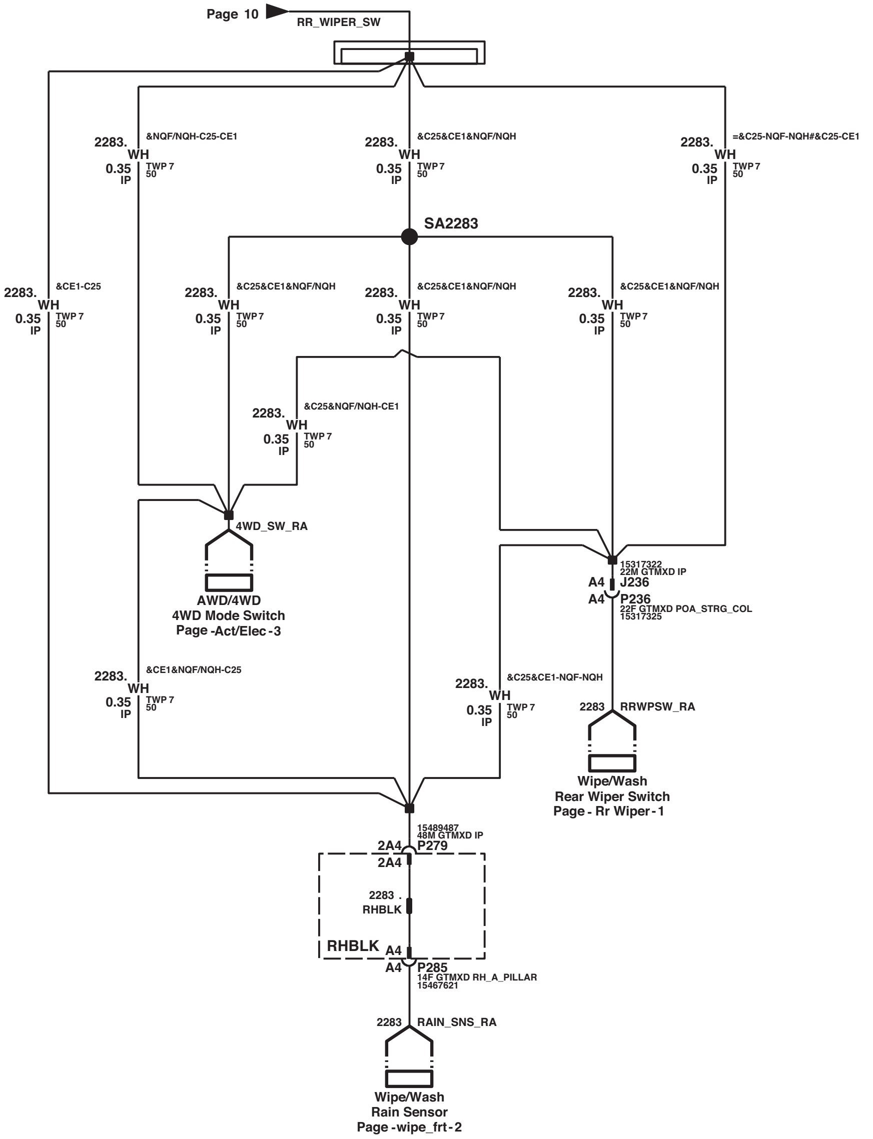
2008
GMT900
MVBS
System Status: Object Status:

Power Moding/Serial Data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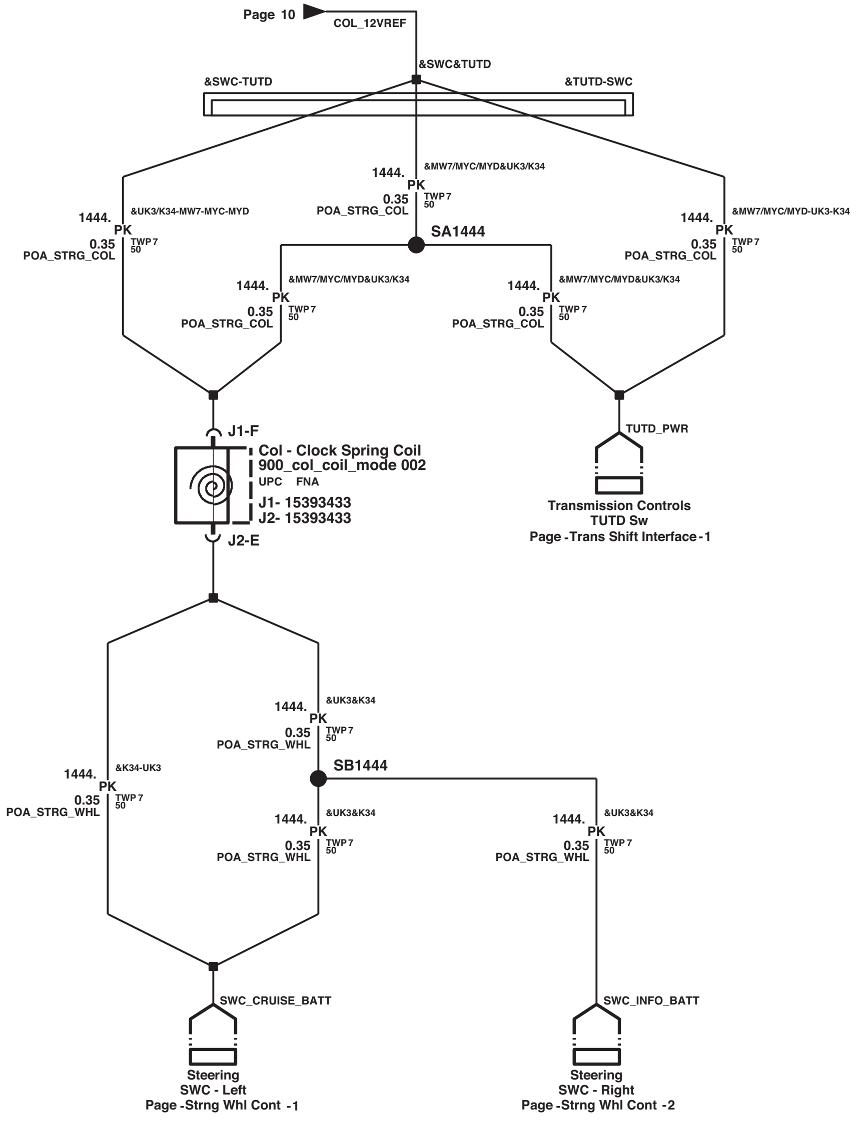
2283. =&C25-NQF-NQH#&C25-CE1 WH 0.35 IP TWP 7 50
SA2283
2283. &CE1-C25 WH 0.35 IP TWP 7 50
2283. &C25&CE1&NQF/NQH WH 0.35 IP TWP 7 50
2283. &C25&CE1&NQF/NQH WH 0.35 IP TWP 7 50
2283. &C25&CE1&NQF/NQH WH 0.35 IP TWP 7 50
2283. &C25&NQF/NQH-CE1 WH 0.35 IP TWP 7 50
4WD_SW_RA
AWD/4WD
4WD Mode Switch
Page -Act/Elec -3
15317322
22M GTMXD IP
A4 J236
A4 P236
22F GTMXD POA_STRG_COL
15317325
2283. &CE1&NQF/NQH-C25 WH 0.35 IP TWP 7 50
2283. &C25&CE1-NQF-NQH WH 0.35 IP TWP 7 50
2283 RRWPSW_RA
Wipe/Wash
Rear Wiper Switch
Page - Rr Wiper - 1
15489487
48M GTMXD IP
2A4 P279
2A4
2283 .
RHBLK
RHBLK A4
A4 P285
14F GTMXD RH_A_PILLAR
15467621
2283 RAIN_SNS_RA
Wipe/Wash
Rain Sensor
Page -wipe_frt - 2

ARE16428 003 GMT900 GM Proprietary	Wednesday, November 15, 2006 12:53:54 pm 36 IEC/ESI	Power Moding/Serial Data 1_08_pwr_mode Panel 29 of 30	2008 GMT900 MVBS System Status: Object Status:

Power Moding/Serial Data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&TUTD-SWC
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TWP 7
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&UK3/K34-MW7-MYC-MYD
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J1-F
Col - Clock Spring Coil
900_col_coil_mode 002
UPC FNA
J1- 15393433
J2- 15393433
J2-E
TUTD_PWR
Transmission Controls
TUTD Sw
Page - Trans Shift Interface - 1
&UK3&K34
&K34-UK3
POA_STRG_WHL
SB1444
SWC_CRUISE_BATT
SWC_INFO_BATT
Steering
SWC - Left
Page - Strng Whl Cont - 1
Steering
SWC - Right
Page - Strng Whl Cont - 2

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Power Moding/Serial Data

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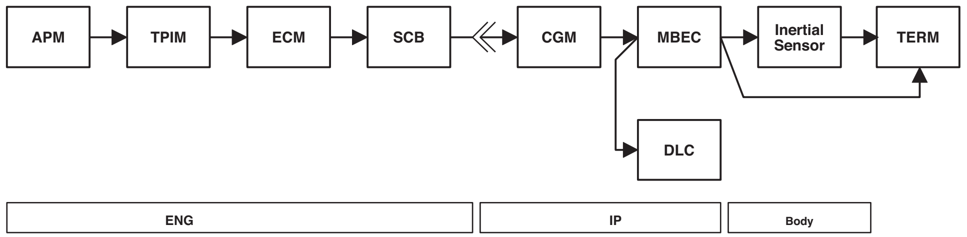
2008
GMT900
MVBS
System Status: Object Status:

Power Train Expansion Bus

- **PowerTrain Expansion HIGH SPEED CAN CONNECTIVITY**


APM
TPIM
ECM
SCB
CGM
MBEC
Inertial Sensor
TERM
DLC
ENG
IP
Body

NOTES
• 3 – MODULES ARE SHOWN IN TYPICAL CONNECTIVITY ORDER. IF A GIVEN MODULE
– IS NOT PRESENT, MODULES ON EITHER SIDE CONNECT DIRECTLY.

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IEC/ESI

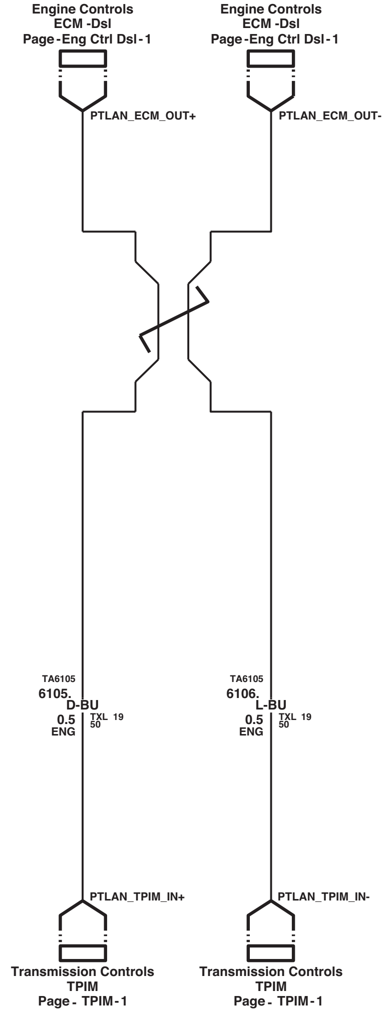
Power Train Expansion Bus
1_08_PWR_MODE_PTLAN Panel 1 of 10
&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus

ARTWORK NOT AVAILABLE
1/8/07

Power Train Expansion Bus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ECM -Dsl
Page-Eng Ctrl Dsl-1
Engine Controls
ECM -Dsl
Page-Eng Ctrl Dsl-1
PTLAN_ECM_OUT+
PTLAN_ECM_OUT-
TA6105
6105.
D-BU
0.5
ENG
TXL 19
50
TA6105
6106.
L-BU
0.5
ENG
TXL 19
50
PTLAN_TPIM_IN+
PTLAN_TPIM_IN-
Transmission Controls
TPIM
Page- TPIM-1
Transmission Controls
TPIM
Page- TPIM-1

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GMT900
GM Proprietary

Wednesday, November 15, 2006
3:58:52 pm 6
IEC/ESI

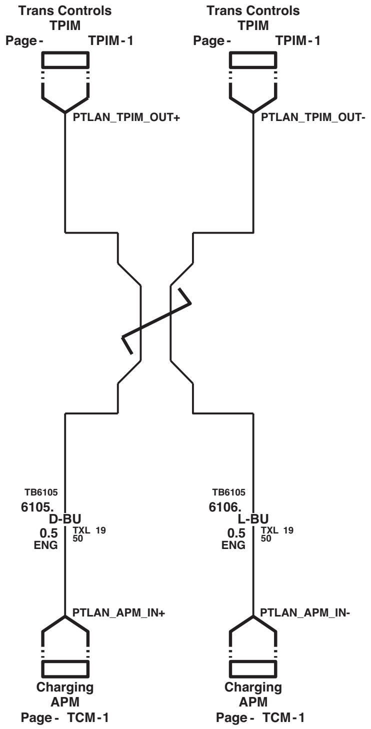
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 3 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus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TPIM
Page - TPIM - 1
Trans Controls
TPIM
Page - TPIM - 1
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PTLAN_TPIM_OUT-
TB6105
6105.
D-BU
0.5
ENG
TXL 19
50
TB6105
6106.
L-BU
0.5
ENG
TXL 19
50
PTLAN_APM_IN+
PTLAN_APM_IN-
Charging
APM
Page - TCM - 1
Charging
APM
Page - TCM - 1

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002
GMT900
GM Proprietary

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3:58:52 pm 6
IEC/ESI

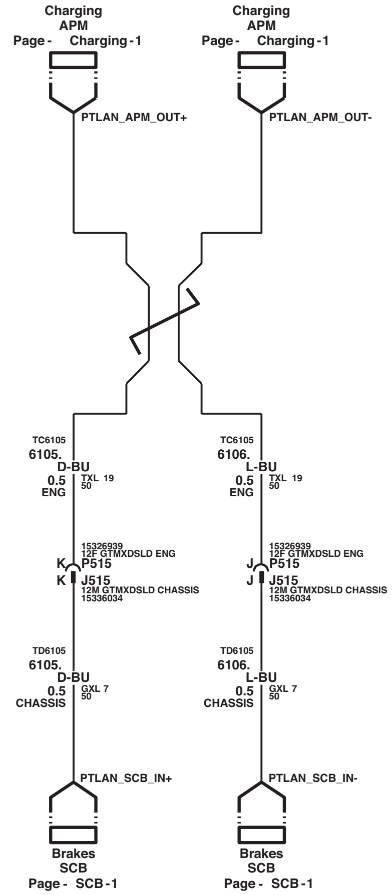
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 4 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus



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Charging
APM
Page - Charging - 1
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PTLAN_APM_OUT-
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6105.
D-BU
0.5
ENG
TXL 19
50
TC6105
6106.
L-BU
0.5
ENG
TXL 19
50
15326939
12F GTMXDSLD ENG
K
P515
K
J515
12M GTMXDSLD CHASSIS
15336034
15326939
12F GTMXDSLD ENG
J
P515
J
J515
12M GTMXDSLD CHASSIS
15336034
TD6105
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D-BU
0.5
CHASSIS
GXL 7
50
TD6105
6106.
L-BU
0.5
CHASSIS
GXL 7
50
PTLAN_SCB_IN+
PTLAN_SCB_IN-
Brakes
SCB
Page - SCB - 1
Brakes
SCB
Page - SCB - 1

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002
GMT900
GM Proprietary

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3:58:52 pm 6
IEC/ESI

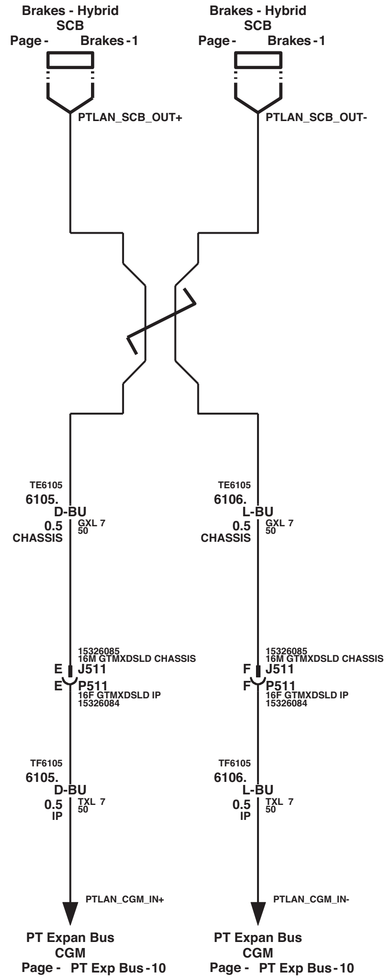
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 5 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus


Brakes - Hybrid
SCB
Page - Brakes - 1
Brakes - Hybrid
SCB
Page - Brakes - 1
PTLAN_SCB_OUT+
PTLAN_SCB_OUT-
TE6105
6105.
D-BU
0.5
CHASSIS
GXL 7
50
TE6105
6106.
L-BU
0.5
CHASSIS
GXL 7
50
15326085
16M GTMXDSLD CHASSIS
E J511
E P511
16F GTMXDSLD IP
15326084
15326085
16M GTMXDSLD CHASSIS
F J511
F P511
16F GTMXDSLD IP
15326084
TF6105
6105.
D-BU
0.5
IP
TXL 7
50
TF6105
6106.
L-BU
0.5
IP
TXL 7
50
PTLAN_CGM_IN+
PTLAN_CGM_IN-
PT Expan Bus
CGM
Page - PT Exp Bus - 10
PT Expan Bus
CGM
Page - PT Exp Bus - 10

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002
GMT900
GM Proprietary

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IEC/ESI

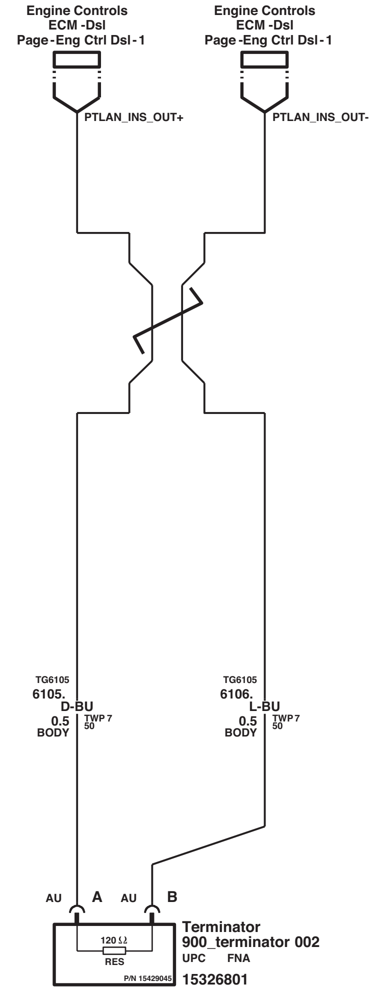
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 6 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus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Page -Eng Ctrl Dsl - 1
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Engine Controls
ECM -Dsl
Page -Eng Ctrl Dsl - 1
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TG6105
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D-BU
0.5
BODY
TWP 7
50
TG6105
6106.
L-BU
0.5
BODY
TWP 7
50
AU
A
AU
B
120 Ω
RES
P/N 15429045
Terminator
900_terminator 002
UPC FNA
15326801

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002
GMT900
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IEC/ESI

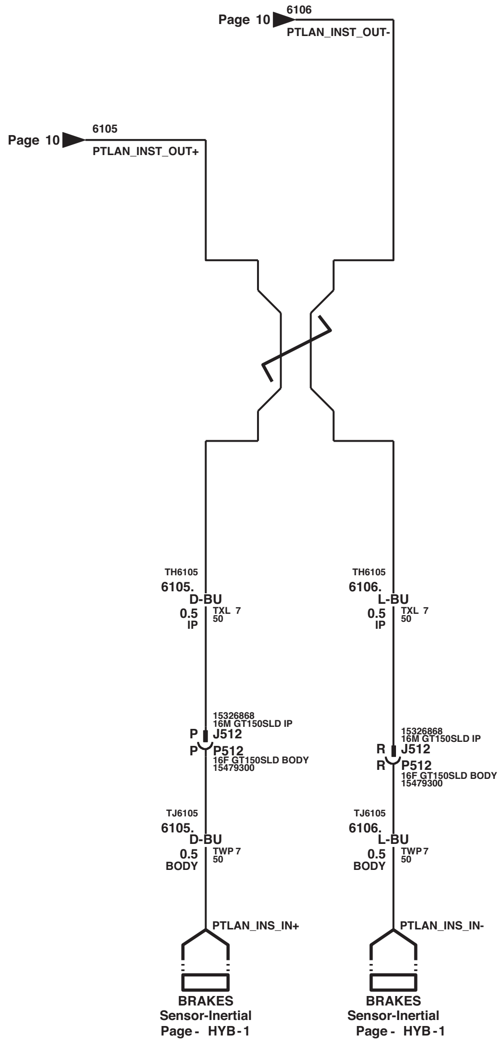
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 7 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus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IP
TXL 7
50
TH6105
6106.
L-BU
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IP
TXL 7
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16M GT150SLD IP
P
J512
P
P512
16F GT150SLD BODY
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16M GT150SLD IP
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J512
R
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16F GT150SLD BODY
15479300
TJ6105
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BODY
TWP 7
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6106.
L-BU
0.5
BODY
TWP 7
50
PTLAN_INS_IN+
PTLAN_INS_IN-
BRAKES
Sensor-Inertial
Page - HYB - 1
BRAKES
Sensor-Inertial
Page - HYB - 1

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002
GMT900
GM Proprietary

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IEC/ESI

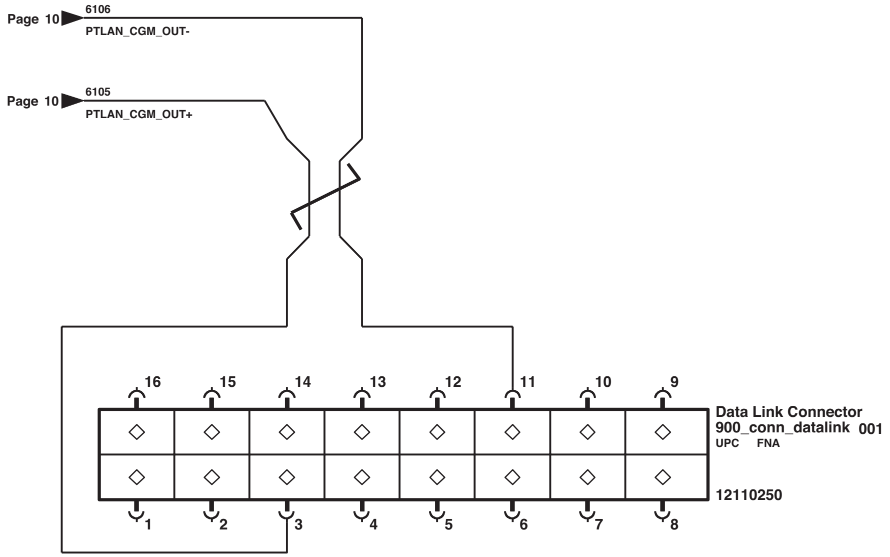
Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 8 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power Train Expansion Bus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6106
PTLAN_CGM_OUT-
Page 10
6105
PTLAN_CGM_OUT+
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9
1
2
3
4
5
6
7
8
Data Link Connector
900_conn_datalink 001
UPC FNA
12110250

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002
GMT900
GM Proprietary

Wednesday, November 15, 2006
3:58:52 pm 6
IEC/ESI

Power Train Expansion Bus

1_08_PWR_MODE_PTLAN Panel 9 of 10

&HP2

2008
GMT900
IVER
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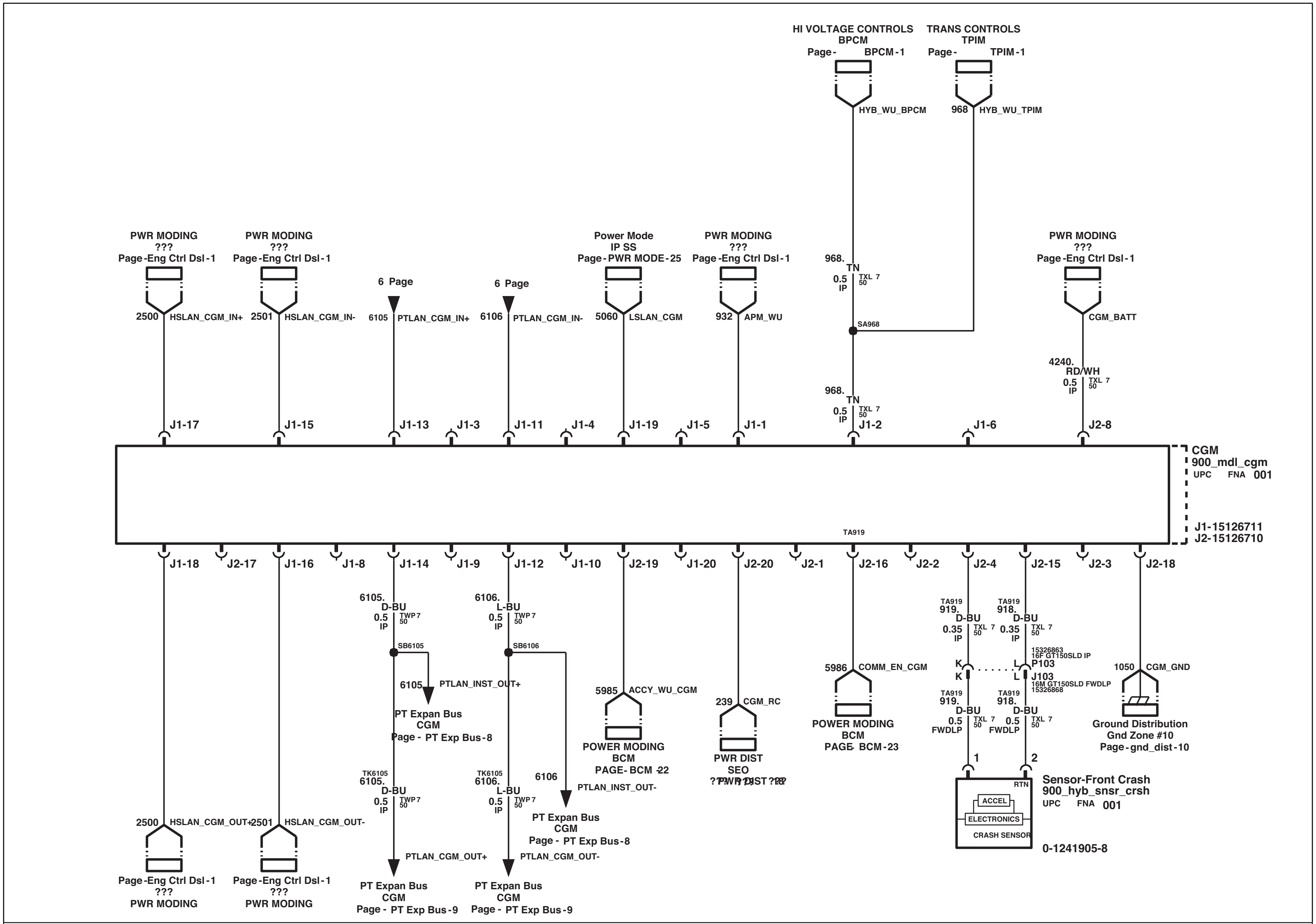
Power Train Expansion Bus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Page - Eng Ctrl Dsl - 1
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6 Page
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IP SS
Page - PWR MODE - 25
PWR MODING
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2501 HSLAN_CGM_IN-
6105 PTLAN_CGM_IN+
6106 PTLAN_CGM_IN-
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RD/WH
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TN
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J1-15
J1-13
J1-3
J1-11
J1-4
J1-19
J1-5
J1-1
J1-2
J1-6
J2-8
CGM
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J2-15126710
TA919
J1-18
J2-17
J1-16
J1-8
J1-14
J1-9
J1-12
J1-10
J2-19
J1-20
J2-20
J2-1
J2-16
J2-2
J2-4
J2-15
J2-3
J2-18
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CGM
Page - PT Exp Bus - 8
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5985 ACCY_WU_CGM
POWER MODING
BCM
PAGE - BCM - 22
239 CGM_RC
PWR DIST
SEO
??PWR DIST ??
5986 COMM_EN_CGM
POWER MODING
BCM
PAGE - BCM - 23
TA919
919.
D-BU
0.35 IP TXL 7 50
TA919
918.
D-BU
0.35 IP TXL 7 50
15326863
16F GT150SLD IP
K L P103
K L J103
16M GT150SLD FWDLP
15326868
TA919
919.
D-BU
0.5 FWDLP TXL 7 50
TA919
918.
D-BU
0.5 FWDLP TXL 7 50
1
2
1050 CGM_GND
Ground Distribution
Gnd Zone #10
Page - gnd_dist - 10
RTN
ACCEL
ELECTRONICS
CRASH SENSOR
Sensor-Front Crash
900_hyb_snsr_crsh
UPC FNA 001
0-1241905-8
TK6105
6105.
D-BU
0.5 IP TWP 7 50
TK6105
6106.
L-BU
0.5 IP TWP 7 50
6106
PTLAN_INST_OUT-
PT Expan Bus
CGM
Page - PT Exp Bus - 8
2500 HSLAN_CGM_OUT+
2501 HSLAN_CGM_OUT-
PTLAN_CGM_OUT+
PTLAN_CGM_OUT-
Page - Eng Ctrl Dsl - 1
???
PWR MODING
Page - Eng Ctrl Dsl - 1
???
PWR MODING
PT Expan Bus
CGM
Page - PT Exp Bus - 9
PT Expan Bus
CGM
Page - PT Exp Bus - 9

ARE82073
002
GMT900
GM Proprietary

Wednesday, November 15, 2006
3:58:52 pm 6
IEC/ESI

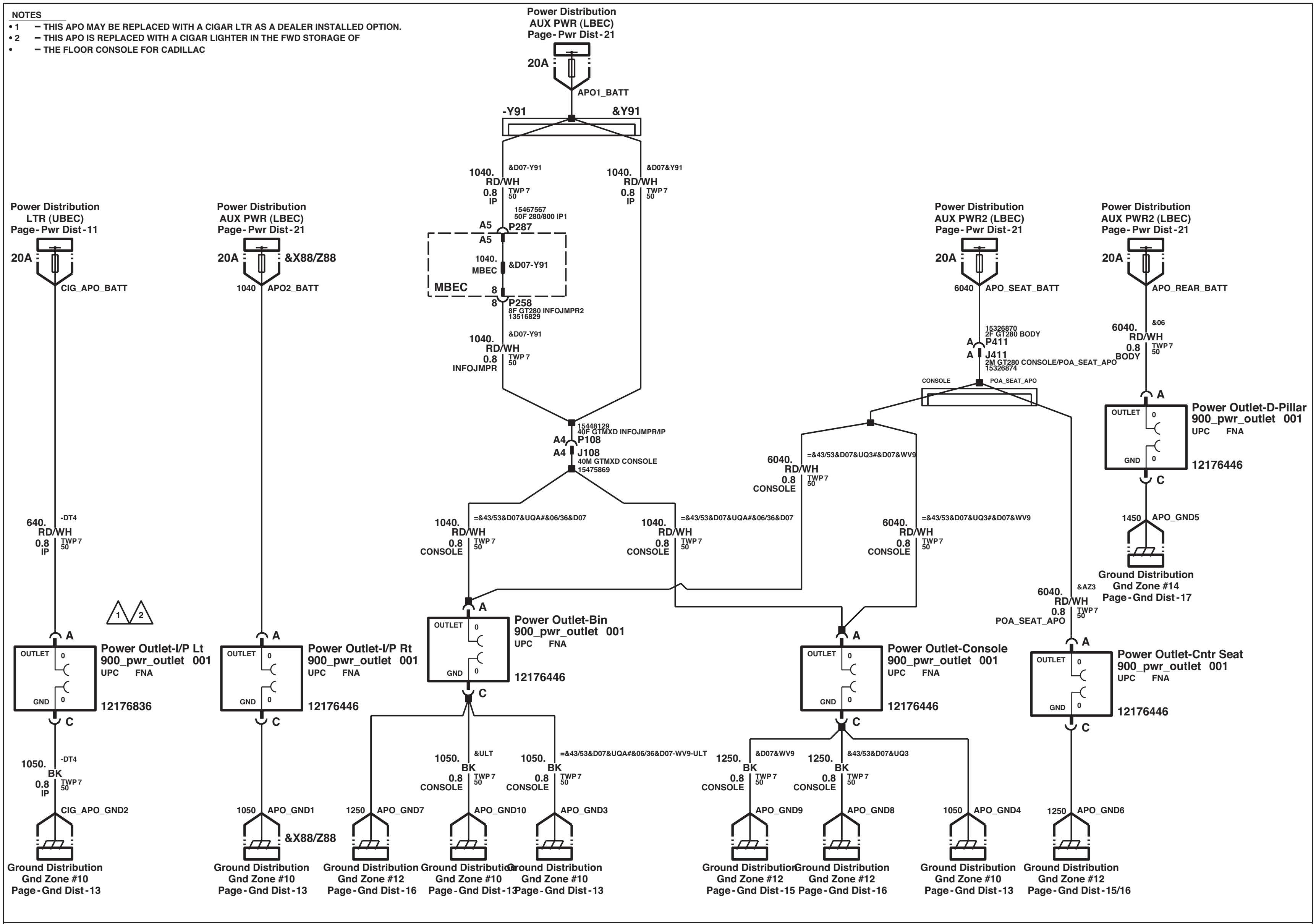
Power Train Expansion Bus
1_08_PWR_MODE_PTLAN Panel 10 of 10

&HP2

2008
GMT900
IVER
System Status: Object Status:

Power – External: Power Outlets

NOTES
- 1 – THIS APO MAY BE REPLACED WITH A CIGAR LTR AS A DEALER INSTALLED OPTION.
- 2 – THIS APO IS REPLACED WITH A CIGAR LIGHTER IN THE FWD STORAGE OF
- – THE FLOOR CONSOLE FOR CADILLAC


Power Distribution
AUX PWR (LBEC)
Page-Pwr Dist-21
20A
APO1_BATT
-Y91
&Y91
1040.
&D07-Y91
RD/WH
0.8
TWP 7
50
IP
1040.
&D07&Y91
RD/WH
0.8
TWP 7
50
IP
15467567
50F 280/800 IP1
A5
P287
A5
1040.
MBEC
&D07-Y91
MBEC
8
8
P258
8F GT280 INFOJMPR2
13516829
1040.
&D07-Y91
RD/WH
0.8
TWP 7
50
INFOJMPR
15448129
40F GTMXD INFOJMPR/IP
A4
P108
A4
J108
40M GTMXD CONSOLE
15475869
Power Distribution
LTR (UBEC)
Page-Pwr Dist-11
20A
CIG_APO_BATT
Power Distribution
AUX PWR (LBEC)
Page-Pwr Dist-21
20A
&X88/Z88
1040
APO2_BATT
Power Distribution
AUX PWR2 (LBEC)
Page-Pwr Dist-21
20A
6040
APO_SEAT_BATT
15326870
2F GT280 BODY
A
P411
A
J411
2M GT280 CONSOLE/POA_SEAT_APO
15326874
CONSOLE
POA_SEAT_APO
Power Distribution
AUX PWR2 (LBEC)
Page-Pwr Dist-21
20A
APO_REAR_BATT
6040.
&06
RD/WH
0.8
TWP 7
50
BODY
A
OUTLET
0
GND
0
Power Outlet-D-Pillar
900_pwr_outlet 001
UPC FNA
12176446
C
1450
APO_GND5
Ground Distribution
Gnd Zone #14
Page-Gnd Dist-17
6040.
=&43/53&D07&UQ3#&D07&WV9
RD/WH
0.8
TWP 7
50
CONSOLE
640.
-DT4
RD/WH
0.8
TWP 7
50
IP
1040.
=&43/53&D07&UQA#&06/36&D07
RD/WH
0.8
TWP 7
50
CONSOLE
1040.
=&43/53&D07&UQA#&06/36&D07
RD/WH
0.8
TWP 7
50
CONSOLE
6040.
=&43/53&D07&UQ3#&D07&WV9
RD/WH
0.8
TWP 7
50
CONSOLE
6040.
&AZ3
RD/WH
0.8
TWP 7
50
POA_SEAT_APO
1
2
A
OUTLET
0
GND
0
Power Outlet-I/P Lt
900_pwr_outlet 001
UPC FNA
12176836
C
A
OUTLET
0
GND
0
Power Outlet-I/P Rt
900_pwr_outlet 001
UPC FNA
12176446
C
A
OUTLET
0
GND
0
Power Outlet-Bin
900_pwr_outlet 001
UPC FNA
12176446
C
A
OUTLET
0
GND
0
Power Outlet-Console
900_pwr_outlet 001
UPC FNA
12176446
C
A
OUTLET
0
GND
0
Power Outlet-Cntr Seat
900_pwr_outlet 001
UPC FNA
12176446
C
1050.
-DT4
BK
0.8
TWP 7
50
IP
CIG_APO_GND2
1050.
&ULT
BK
0.8
TWP 7
50
CONSOLE
1050.
=&43/53&D07&UQA#&06/36&D07-WV9-ULT
BK
0.8
TWP 7
50
CONSOLE
1250.
&D07&WV9
BK
0.8
TWP 7
50
CONSOLE
1250.
&43/53&D07&UQ3
BK
0.8
TWP 7
50
CONSOLE
1050
APO_GND1
&X88/Z88
1250
APO_GND7
APO_GND10
APO_GND3
APO_GND9
APO_GND8
1050
APO_GND4
1250
APO_GND6
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-13
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-13
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-16
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-13
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-13
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-15
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-16
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-13
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-15/16

ARE16429
003
GMT900
GM Proprietary

Monday, September 11, 2006
9:46:04 am 7
IEC/ESI

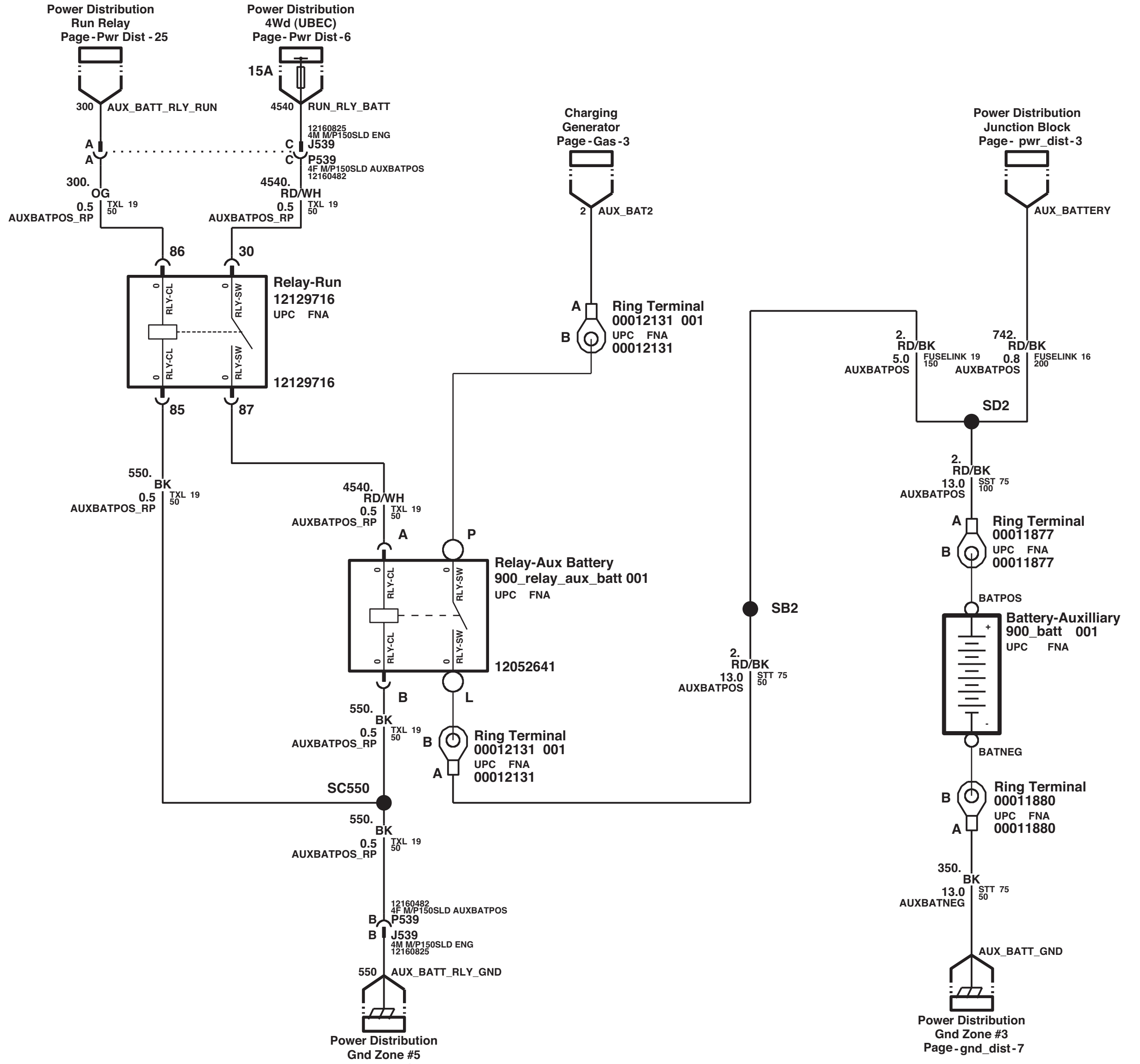
Power - External: Power Outlets

1_08_pwr_xt_apo Panel 1 of 1

2008
GMT900

System Status: Object Status:

Power – External: Auxiliary Battery


Power Distribution
Run Relay
Page - Pwr Dist - 25
300 AUX_BATT_RLY_RUN
A
A
300.
OG
0.5 TXL 19 50
AUXBATPOS_RP
Power Distribution
4Wd (UBEC)
Page - Pwr Dist - 6
15A
4540 RUN_RLY_BATT
12160825
4M M/P150SLD ENG
C J539
C P539
4F M/P150SLD AUXBATPOS
12160482
4540.
RD/WH
0.5 TXL 19 50
AUXBATPOS_RP
86
30
Relay-Run
12129716
UPC FNA
RLY-CL
RLY-SW
0
12129716
85
87
550.
BK
0.5 TXL 19 50
AUXBATPOS_RP
4540.
RD/WH
0.5 TXL 19 50
AUXBATPOS_RP
A
P
Relay-Aux Battery
900_relay_aux_batt 001
UPC FNA
12052641
B
L
550.
BK
0.5 TXL 19 50
AUXBATPOS_RP
Ring Terminal
00012131 001
UPC FNA
00012131
SC550
550.
BK
0.5 TXL 19 50
AUXBATPOS_RP
12160482
4F M/P150SLD AUXBATPOS
B P539
B J539
4M M/P150SLD ENG
12160825
550 AUX_BATT_RLY_GND
Power Distribution
Gnd Zone #5
Page - gnd_dist - 9
Charging
Generator
Page - Gas - 3
2 AUX_BAT2
Ring Terminal
00012131 001
UPC FNA
00012131
SB2
2.
RD/BK
13.0 STT 75 50
AUXBATPOS
Power Distribution
Junction Block
Page - pwr_dist - 3
AUX_BATTERY
2.
RD/BK
5.0 FUSELINK 19 150
AUXBATPOS
742.
RD/BK
0.8 FUSELINK 16 200
AUXBATPOS
SD2
2.
RD/BK
13.0 SST 75 100
AUXBATPOS
Ring Terminal
00011877
UPC FNA
00011877
BATPOS
Battery-Auxilliary
900_batt 001
UPC FNA
+
-
BATNEG
Ring Terminal
00011880
UPC FNA
00011880
350.
BK
13.0 STT 75 50
AUXBATNEG
AUX_BATT_GND
Power Distribution
Gnd Zone #3
Page - gnd_dist - 7
Power - External: Auxiliary Battery
2008
GMT900

ARE16430
003
GMT900
GM Proprietary

Thursday, June 29, 2006
2:39:32 pm 2
IEC/ESI

Power - External: Auxiliary Battery
1_08_PWR_XT_AUX_BAT Panel 1 of 2

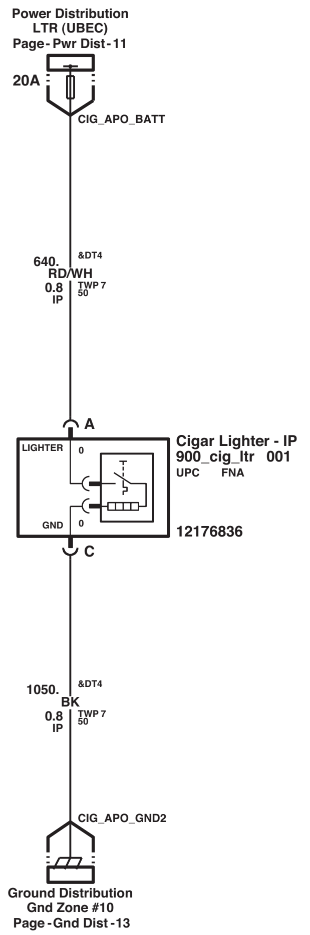
&TP2

System Status: Object Status:

2008
GMT900

System Status: Object Status:

Power – External: Cigar Lighter


Power Distribution
LTR (UBEC)
Page - Pwr Dist - 11
20A
CIG_APO_BATT
640.
RD/WH
0.8
IP
&DT4
TWP 7
50
A
LIGHTER
0
GND
0
C
Cigar Lighter - IP
900_cig_ltr 001
UPC FNA
12176836
1050.
BK
0.8
IP
&DT4
TWP 7
50
CIG_APO_GND2
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 13

- ONLY CADILLAC GETS A FACTORY INSTALLED CIGAR LIGHTER
- THERE IS NO FACTORY INSTALLED CIGAR LIGHTER FOR GMT900 FOR CHEVY/GMC.
- SEE POWER OUTLETS FOR A DEALER INSTALLED CIGAR LIGHTER FOR CHEVY/GMC.

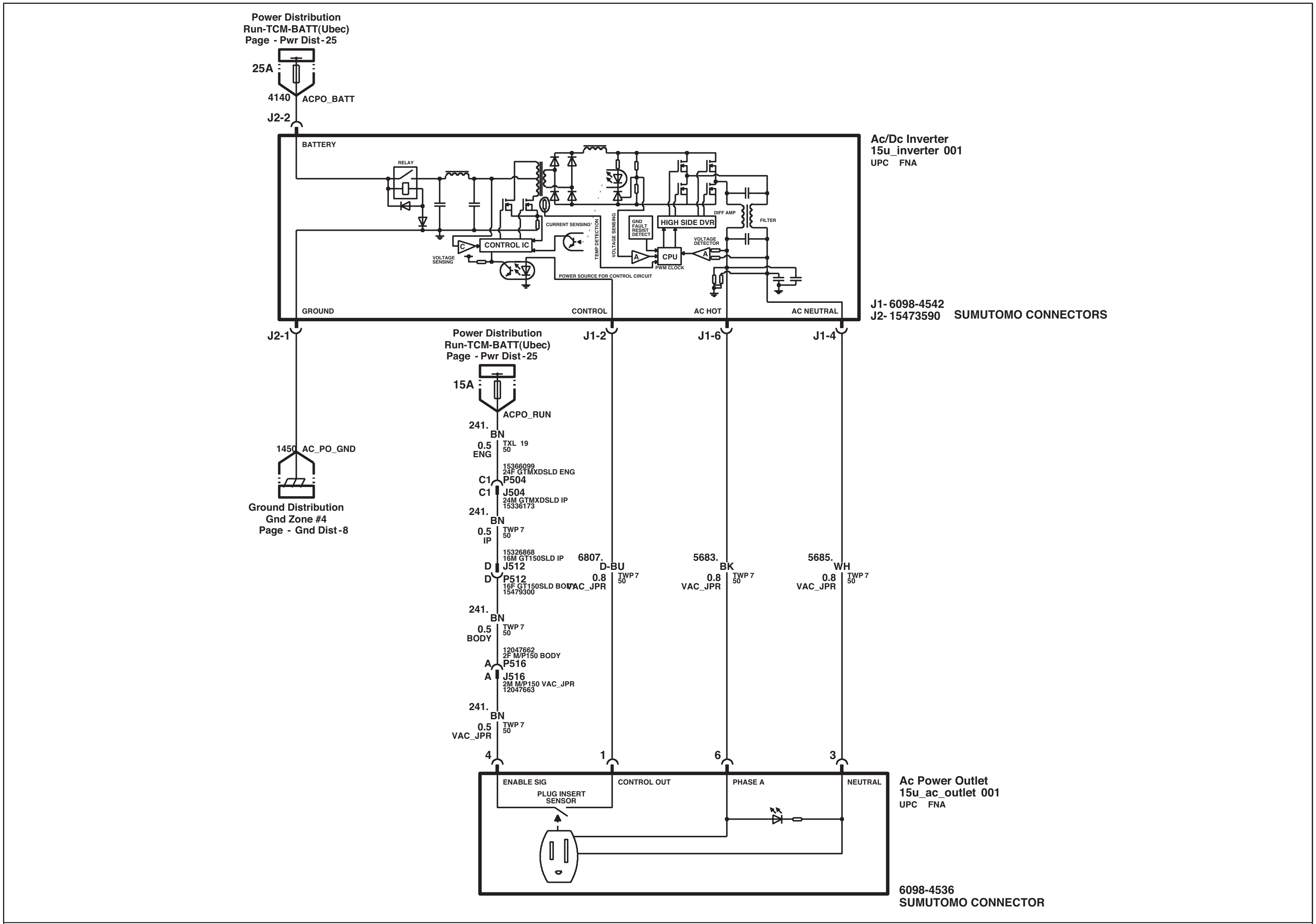
ARE16431
003
GMT900
GM Proprietary

Monday, September 11, 2006
9:46:29 am 4
IEC/ESI

Power - External: Cigar Lighter
1_08_pwr_xt_cig_ltr Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Power – External: 110 Vac Power Outlet


Power Distribution
Run-TCM-BATT(Ubec)
Page - Pwr Dist-25
25A
4140 ACPO_BATT
J2-2
BATTERY
RELAY
CONTROL IC
C
VOLTAGE SENSING
CURRENT SENSING
TEMP DETECTION
VOLTAGE SENSING
GND FAULT RESIST DETECT
HIGH SIDE DVR
DIFF AMP
FILTER
VOLTAGE DETECTOR
A
CPU
A
PWM CLOCK
POWER SOURCE FOR CONTROL CIRCUIT
GROUND
CONTROL
AC HOT
AC NEUTRAL
Ac/Dc Inverter
15u_inverter 001
UPC FNA
J1- 6098-4542
J2- 15473590 SUMUTOMO CONNECTORS
J2-1
J1-2
J1-6
J1-4
1450 AC_PO_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
Power Distribution
Run-TCM-BATT(Ubec)
Page - Pwr Dist-25
15A
ACPO_RUN
241.
BN
0.5
ENG
TXL 19
50
15366099
24F GTMXDSLD ENG
C1 P504
C1 J504
24M GTMXDSLD IP
15336173
241.
BN
0.5
IP
TWP 7
50
15326868
16M GT150SLD IP
D J512
D P512
16F GT150SLD BODY
15479300
241.
BN
0.5
BODY
TWP 7
50
12047662
2F M/P150 BODY
A P516
A J516
2M M/P150 VAC_JPR
12047663
241.
BN
0.5
VAC_JPR
TWP 7
50
6807.
D-BU
0.8
VAC_JPR
TWP 7
50
5683.
BK
0.8
VAC_JPR
TWP 7
50
5685.
WH
0.8
VAC_JPR
TWP 7
50
4
1
6
3
ENABLE SIG
CONTROL OUT
PHASE A
NEUTRAL
PLUG INSERT SENSOR
Ac Power Outlet
15u_ac_outlet 001
UPC FNA
6098-4536
SUMUTOMO CONNECTOR

ARE82074
001
GMT900
GM Proprietary

Tuesday, June 6, 2006
1:44:34 pm 4
IEC/ESI

110 Vac Power Outlet

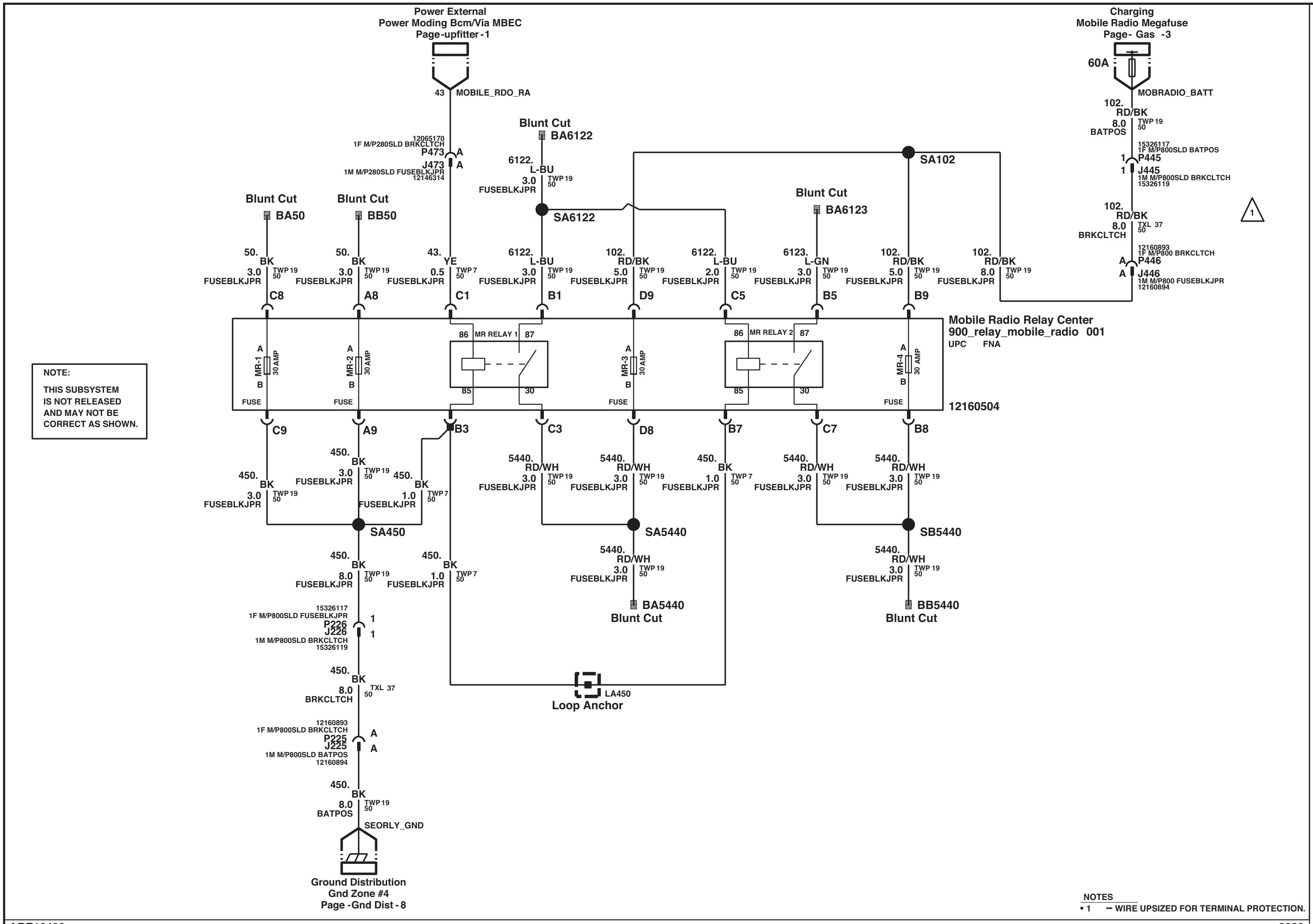
1_08_pwr_xt_lp_acpo Panel 1 of 1

Panel Set: 1

&06&HP2

0
GMT900
:::D
System Status: Object Status:

Power – External: Mobile Radio Provisions



Power External
Power Moding Bcm/Via MBEC
Page-upfitter-1
43 MOBILE_RDO_RA
12065170
1F M/P280SLD BRKCLTCH
P473 A
J473 A
1M M/P280SLD FUSEBLKJPR
12146314
Blunt Cut
BA6122
6122. L-BU 3.0 TWP 19 50 FUSEBLKJPR
SA6122
SA102
Charging
Mobile Radio Megafuse
Page- Gas -3
60A
MOBRADIO_BATT
102. RD/BK 8.0 TWP 19 50 BATPOS
15326117
1F M/P800SLD BATPOS
1 P445
1 J445
1M M/P800SLD BRKCLTCH
15326119
102. RD/BK 8.0 TXL 37 50 BRKCLTCH
1
12160893
1F M/P800 BRKCLTCH
A P446
A J446
1M M/P800 FUSEBLKJPR
12160894
Blunt Cut
BA50
Blunt Cut
BB50
Blunt Cut
BA6123
50. BK 3.0 TWP 19 50 FUSEBLKJPR C8
50. BK 3.0 TWP 19 50 FUSEBLKJPR A8
43. YE 0.5 TWP 7 50 FUSEBLKJPR C1
6122. L-BU 3.0 TWP 19 50 FUSEBLKJPR B1
102. RD/BK 5.0 TWP 19 50 FUSEBLKJPR D9
6122. L-BU 2.0 TWP 19 50 FUSEBLKJPR C5
6123. L-GN 3.0 TWP 19 50 FUSEBLKJPR B5
102. RD/BK 5.0 TWP 19 50 FUSEBLKJPR B9
102. RD/BK 8.0 TWP 19 50 FUSEBLKJPR
Mobile Radio Relay Center
900_relay_mobile_radio 001
UPC FNA
12160504
MR-1 30 AMP FUSE
MR-2 30 AMP FUSE
86 MR RELAY 1 87
85 30
MR-3 30 AMP FUSE
86 MR RELAY 2 87
85 30
MR-4 30 AMP FUSE
A
B
NOTE:
THIS SUBSYSTEM
IS NOT RELEASED
AND MAY NOT BE
CORRECT AS SHOWN.
C9
A9
B3
C3
D8
B7
C7
B8
450. BK 3.0 TWP 19 50 FUSEBLKJPR
450. BK 3.0 TWP 19 50 FUSEBLKJPR
450. BK 1.0 TWP 7 50 FUSEBLKJPR
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
450. BK 1.0 TWP 7 50 FUSEBLKJPR
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
SA450
SA5440
SB5440
450. BK 8.0 TWP 19 50 FUSEBLKJPR
450. BK 1.0 TWP 7 50 FUSEBLKJPR
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
BA5440
Blunt Cut
5440. RD/WH 3.0 TWP 19 50 FUSEBLKJPR
BB5440
Blunt Cut
15326117
1F M/P800SLD FUSEBLKJPR
P226 1
J226 1
1M M/P800SLD BRKCLTCH
15326119
450. BK 8.0 TXL 37 50 BRKCLTCH
12160893
1F M/P800SLD BRKCLTCH
P225 A
J225 A
1M M/P800SLD BATPOS
12160894
450. BK 8.0 TWP 19 50 BATPOS
SEORLY_GND
LA450
Loop Anchor
Ground Distribution
Gnd Zone #4
Page -Gnd Dist - 8

NOTES
• 1 — WIRE UPSIZED FOR TERMINAL PROTECTION.

ARE16432
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:02:25 am 4
IEC/ESI

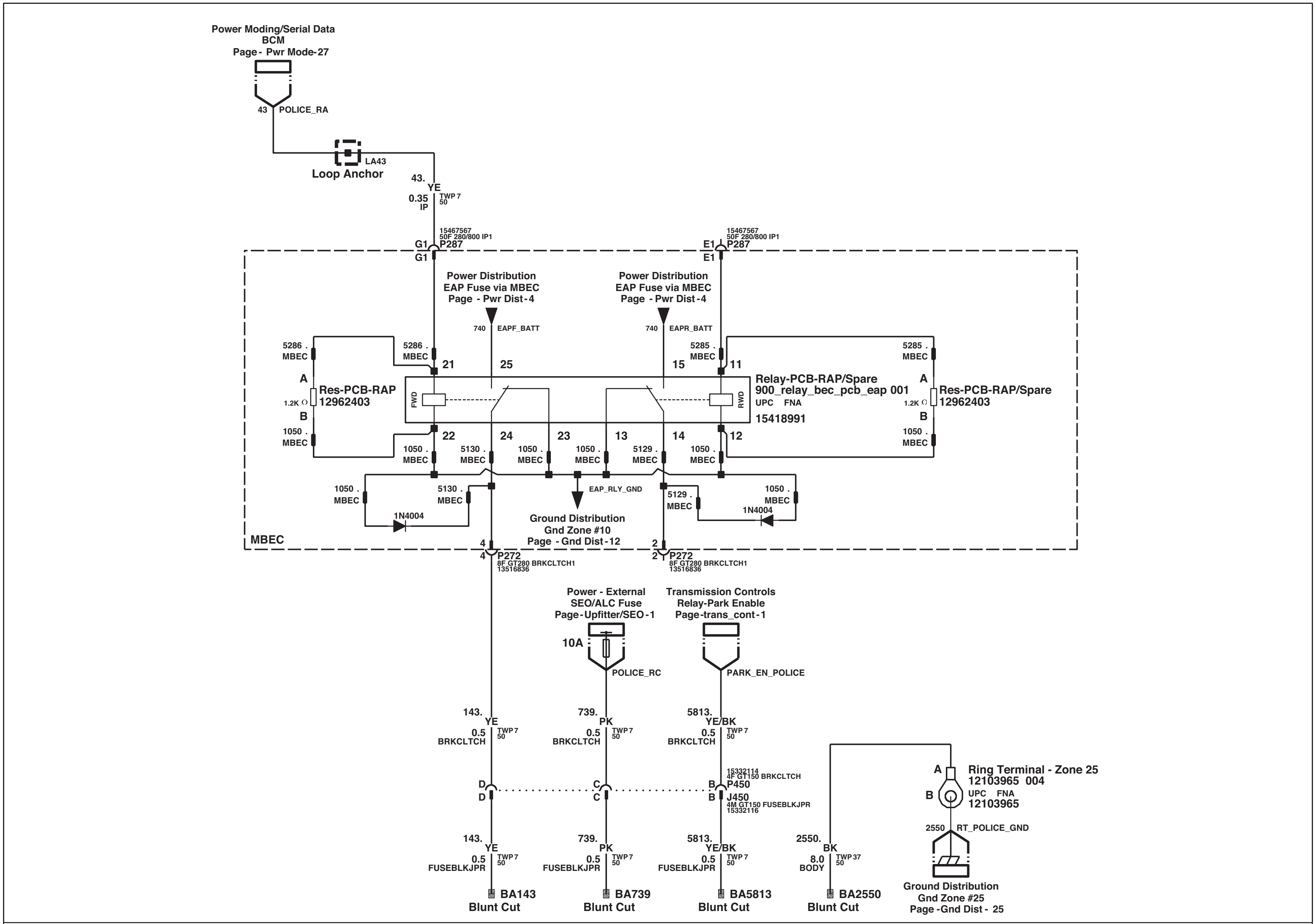
Power - External: Mobile Radio Provisions

1_08_pwr_xt_mbl_rdo Panel 1 of 1

&9L4

2008
GMT900
IVER
System Status: Object Status:

Power – External: Police Power


Power Moding/Serial Data
BCM
Page - Pwr Mode-27
43 POLICE_RA
LA43
Loop Anchor
43.
YE
0.35
IP
TWP 7
50
15467567
50F 280/800 IP1
G1 P287
G1
15467567
50F 280/800 IP1
E1 P287
E1
Power Distribution
EAP Fuse via MBEC
Page - Pwr Dist-4
740 EAPF_BATT
Power Distribution
EAP Fuse via MBEC
Page - Pwr Dist-4
740 EAPR_BATT
5286 .
MBEC
5286 .
MBEC
21
25
15
5285 .
MBEC
11
5285 .
MBEC
A
Res-PCB-RAP
12962403
1.2K
B
FWD
RWD
Relay-PCB-RAP/Spare
900_relay_bec_pcb_eap 001
UPC FNA
15418991
A
Res-PCB-RAP/Spare
12962403
1.2K
B
1050 .
MBEC
22
24
23
13
14
12
1050 .
MBEC
1050 .
MBEC
5130 .
MBEC
1050 .
MBEC
1050 .
MBEC
5129 .
MBEC
1050 .
MBEC
1050 .
MBEC
5130 .
MBEC
EAP_RLY_GND
5129 .
MBEC
1050 .
MBEC
1N4004
1N4004
Ground Distribution
Gnd Zone #10
Page - Gnd Dist-12
MBEC
4
4 P272
8F GT280 BRKCLTCH1
13516836
2
2 P272
8F GT280 BRKCLTCH1
13516836
Power - External
SEO/ALC Fuse
Page-Upfitter/SEO-1
10A
POLICE_RC
Transmission Controls
Relay-Park Enable
Page-trans_cont-1
PARK_EN_POLICE
143.
YE
0.5
BRKCLTCH
TWP 7
50
739.
PK
0.5
BRKCLTCH
TWP 7
50
5813.
YE/BK
0.5
BRKCLTCH
TWP 7
50
15332114
4F GT150 BRKCLTCH
D
D
C
C
B P450
B J450
4M GT150 FUSEBLKJPR
15332116
A
B
Ring Terminal - Zone 25
12103965 004
UPC FNA
12103965
2550 RT_POLICE_GND
143.
YE
0.5
FUSEBLKJPR
TWP 7
50
739.
PK
0.5
FUSEBLKJPR
TWP 7
50
5813.
YE/BK
0.5
FUSEBLKJPR
TWP 7
50
2550.
BK
8.0
BODY
TWP 37
50
BA143
Blunt Cut
BA739
Blunt Cut
BA5813
Blunt Cut
BA2550
Blunt Cut
Ground Distribution
Gnd Zone #25
Page -Gnd Dist - 25

ARE74257
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
2:31:52 pm 5
IEC/ESI

Power - External: Police Power

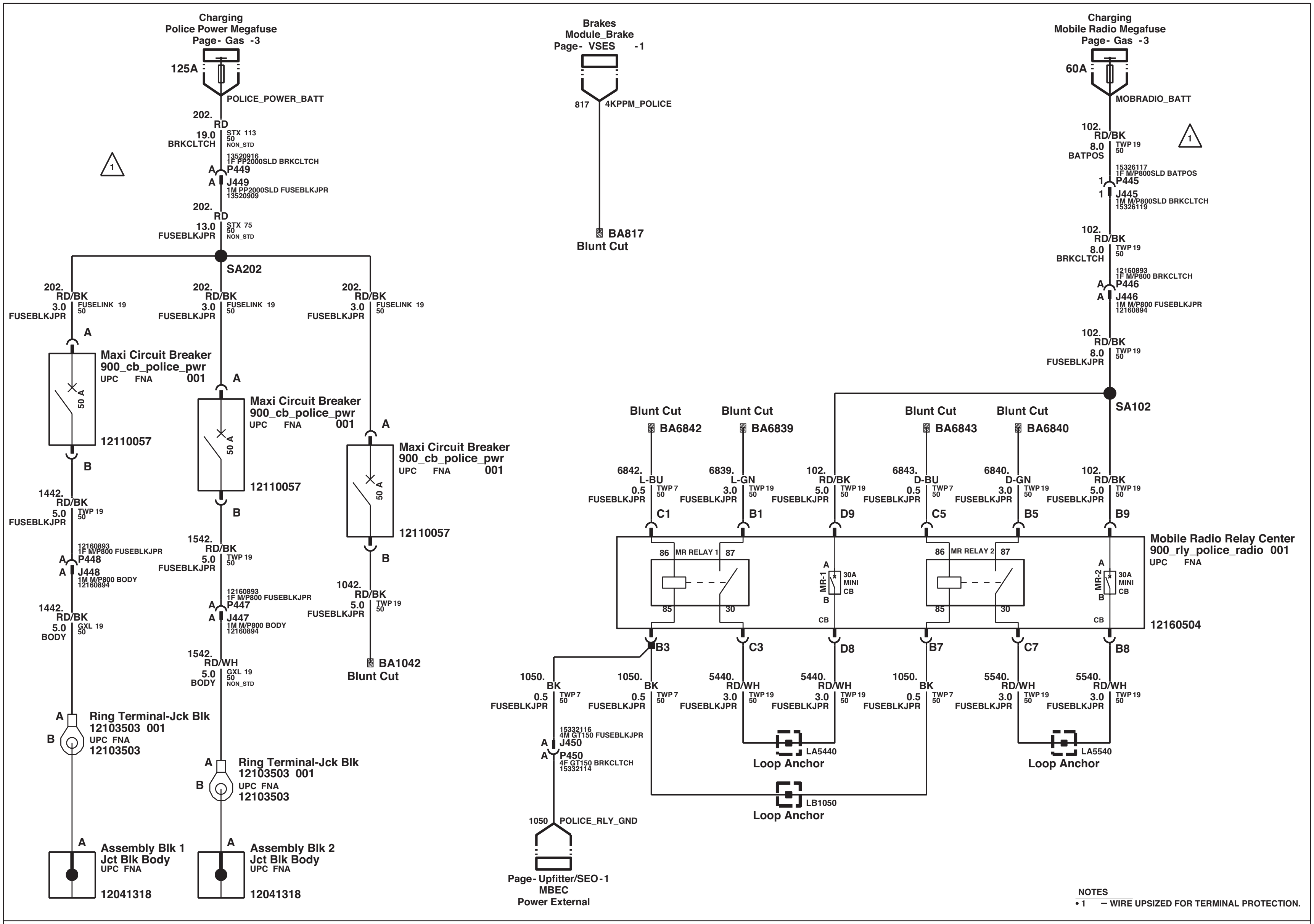
1_08_pwr_xt_police Panel 1 of 2

&6J1

2008
GMT900

System Status: Object Status:

Power – External: Police Power


Charging
Police Power Megafuse
Page- Gas -3
125A
POLICE_POWER_BATT
202.
RD
19.0
BRKCLTCH
STX 113
50
NON_STD
13520916
1F PP2000SLD BRKCLTCH
A P449
A J449
1M PP2000SLD FUSEBLKJPR
13520909
202.
RD
13.0
FUSEBLKJPR
STX 75
50
NON_STD
SA202
1
202.
RD/BK
3.0
FUSEBLKJPR
FUSELINK 19
50
A
Maxi Circuit Breaker
900_cb_police_pwr
UPC FNA 001
50 A
12110057
B
1442.
RD/BK
5.0
FUSEBLKJPR
TWP 19
50
12160893
1F M/P800 FUSEBLKJPR
A P448
A J448
1M M/P800 BODY
12160894
1442.
RD/BK
5.0
BODY
GXL 19
50
A
B
Ring Terminal-Jck Blk
12103503 001
UPC FNA
12103503
A
Assembly Blk 1
Jct Blk Body
UPC FNA
12041318
1542.
RD/BK
5.0
FUSEBLKJPR
TWP 19
50
12160893
1F M/P800 FUSEBLKJPR
A P447
A J447
1M M/P800 BODY
12160894
1542.
RD/WH
5.0
BODY
GXL 19
50
NON_STD
Ring Terminal-Jck Blk
12103503 001
UPC FNA
12103503
Assembly Blk 2
Jct Blk Body
UPC FNA
12041318
1042.
RD/BK
5.0
FUSEBLKJPR
TWP 19
50
BA1042
Blunt Cut
Brakes
Module_Brake
Page- VSES -1
817 4KPPM_POLICE
BA817
Blunt Cut
Charging
Mobile Radio Megafuse
Page- Gas -3
60A
MOBRADIO_BATT
102.
RD/BK
8.0
BATPOS
TWP 19
50
15326117
1F M/P800SLD BATPOS
1 P445
1 J445
1M M/P800SLD BRKCLTCH
15326119
102.
RD/BK
8.0
BRKCLTCH
12160893
1F M/P800 BRKCLTCH
A P446
A J446
1M M/P800 FUSEBLKJPR
12160894
102.
RD/BK
8.0
FUSEBLKJPR
SA102
Blunt Cut
BA6842
Blunt Cut
BA6839
Blunt Cut
BA6843
Blunt Cut
BA6840
6842.
L-BU
0.5
FUSEBLKJPR
TWP 7
50
C1
6839.
L-GN
3.0
FUSEBLKJPR
B1
102.
RD/BK
5.0
D9
6843.
D-BU
0.5
C5
6840.
D-GN
3.0
B5
102.
RD/BK
5.0
B9
Mobile Radio Relay Center
900_rly_police_radio 001
UPC FNA
12160504
86 MR RELAY 1 87
85 30
MR-1
30A
MINI
CB
86 MR RELAY 2 87
85 30
MR-2
CB
B3
C3
D8
B7
C7
B8
1050.
BK
0.5
FUSEBLKJPR
TWP 7
50
15332116
4M GT150 FUSEBLKJPR
A J450
A P450
4F GT150 BRKCLTCH
15332114
1050 POLICE_RLY_GND
Page- Upfitter/SEO -1
MBEC
Power External
5440.
RD/WH
3.0
FUSEBLKJPR
LA5440
Loop Anchor
5540.
RD/WH
3.0
LA5540
Loop Anchor
LB1050
Loop Anchor
NOTES
• 1 – WIRE UPSIZED FOR TERMINAL PROTECTION.

ARE74257
003
GMT900
GM Proprietary

Tuesday, August 15, 2006
2:31:52 pm 5
IEC/ESI

Power - External: Police Power

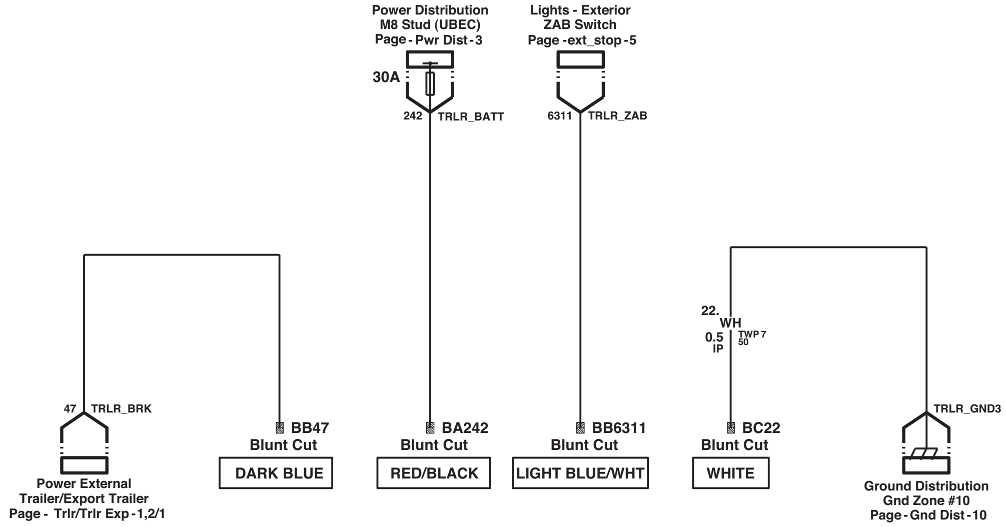
1_08_pwr_xt_police Panel 2 of 2

&6J1

2008
GMT900

System Status: Object Status:

Power – External: Trailer Brakes


Power Distribution
M8 Stud (UBEC)
Page - Pwr Dist - 3
30A
242 TRLR_BATT
Lights - Exterior
ZAB Switch
Page - ext_stop - 5
6311 TRLR_ZAB
22.
WH
0.5
IP
TWP 7
50
47 TRLR_BRK
Power External
Trailer/Export Trailer
Page - Trlr/Trlr Exp - 1,2/1
BB47
Blunt Cut
DARK BLUE
BA242
Blunt Cut
RED/BLACK
BB6311
Blunt Cut
LIGHT BLUE/WHT
BC22
Blunt Cut
WHITE
TRLR_GND3
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 10

ARE16433
003
GMT900
GM Proprietary

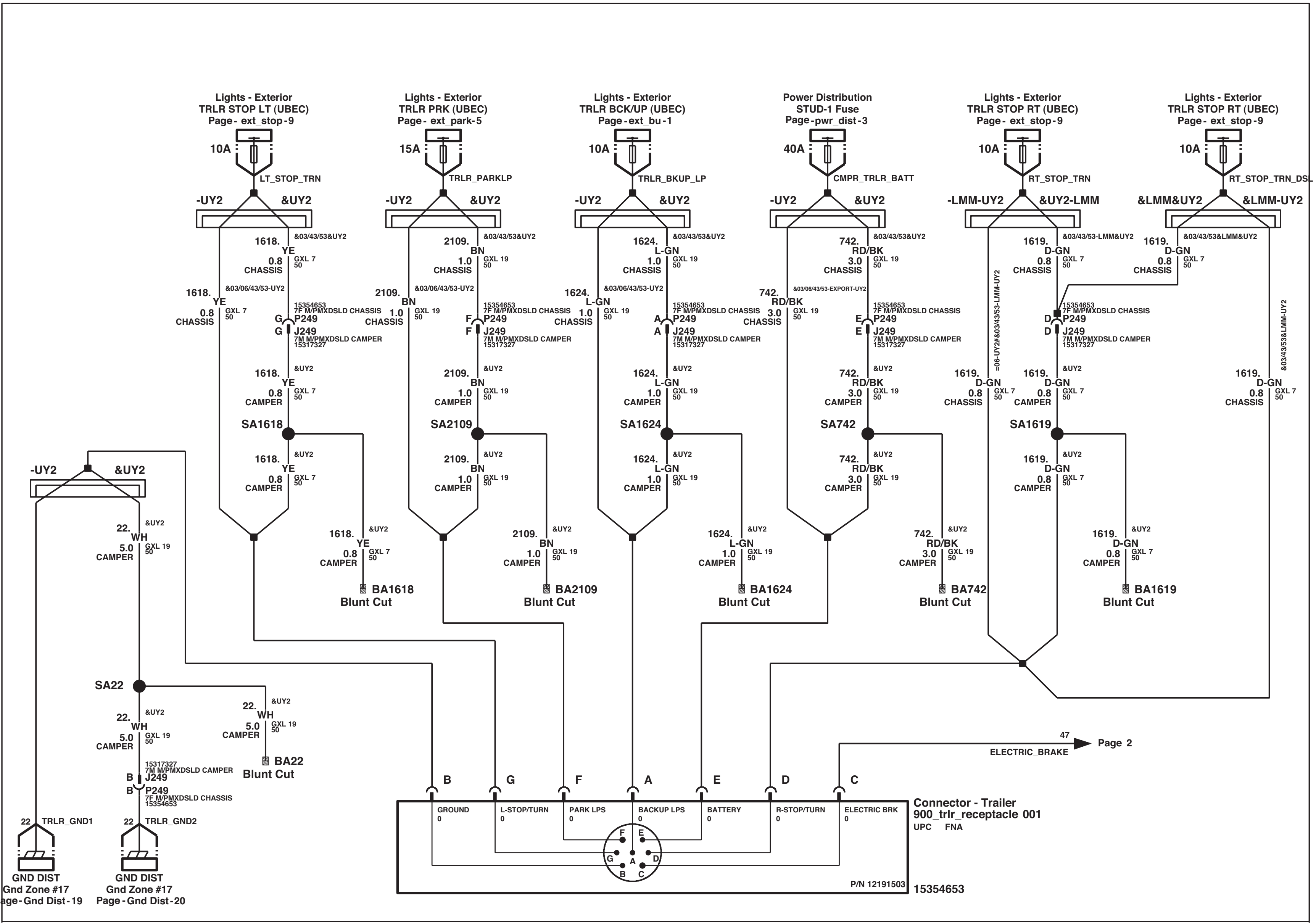
Tuesday, August 22, 2006
9:02:32 am 3
IEC/ESI

Power - External: Trailer Brakes

1_08_pwr_xt_trlr_brk Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Power – External: Camper/Trailer


Lights - Exterior
TRLR STOP LT (UBEC)
Page- ext_stop-9
10A
LT_STOP_TRN
-UY2
&UY2
Lights - Exterior
TRLR PRK (UBEC)
Page- ext_park-5
15A
TRLR_PARKLP
Lights - Exterior
TRLR BCK/UP (UBEC)
Page-ext_bu-1
10A
TRLR_BKUP_LP
Power Distribution
STUD-1 Fuse
Page-pwr_dist-3
40A
CMPR_TRLR_BATT
Lights - Exterior
TRLR STOP RT (UBEC)
Page- ext_stop-9
10A
RT_STOP_TRN
-LMM-UY2
&UY2-LMM
Lights - Exterior
TRLR STOP RT (UBEC)
Page- ext_stop-9
10A
RT_STOP_TRN_DSL
&LMM&UY2
&LMM-UY2
1618. YE 0.8 CHASSIS GXL 7 50 &03/43/53&UY2
1618. YE 0.8 CHASSIS GXL 7 50 &03/06/43/53-UY2
2109. BN 1.0 CHASSIS GXL 19 50 &03/43/53&UY2
2109. BN 1.0 CHASSIS GXL 19 50 &03/06/43/53-UY2
1624. L-GN 1.0 CHASSIS GXL 19 50 &03/43/53&UY2
1624. L-GN 1.0 CHASSIS GXL 19 50 &03/06/43/53-UY2
742. RD/BK 3.0 CHASSIS GXL 19 50 &03/43/53&UY2
742. RD/BK 3.0 CHASSIS GXL 19 50 &03/06/43/53-EXPORT-UY2
1619. D-GN 0.8 CHASSIS GXL 7 50 &03/43/53-LMM&UY2
1619. D-GN 0.8 CHASSIS GXL 7 50 &03/43/53&LMM&UY2
=06-UY2#&03/43/53-LMM-UY2
&03/43/53&LMM-UY2
15354653 7F M/PMXDSLD CHASSIS
P249
J249
7M M/PMXDSLD CAMPER 15317327
G G
F F
A A
E E
D D
1618. YE 0.8 CAMPER GXL 7 50 &UY2
SA1618
2109. BN 1.0 CAMPER GXL 19 50 &UY2
SA2109
1624. L-GN 1.0 CAMPER GXL 19 50 &UY2
SA1624
742. RD/BK 3.0 CAMPER GXL 19 50 &UY2
SA742
1619. D-GN 0.8 CAMPER GXL 7 50 &UY2
SA1619
1619. D-GN 0.8 CHASSIS GXL 7 50
BA1618 Blunt Cut
BA2109 Blunt Cut
BA1624 Blunt Cut
BA742 Blunt Cut
BA1619 Blunt Cut
-UY2
&UY2
22. WH 5.0 CAMPER GXL 19 50 &UY2
SA22
22. WH 5.0 CAMPER GXL 19 50 &UY2
BA22 Blunt Cut
15317327 7M M/PMXDSLD CAMPER
B J249
B P249
7F M/PMXDSLD CHASSIS 15354653
22 TRLR_GND1
22 TRLR_GND2
GND DIST Gnd Zone #17 Page-Gnd Dist-19
GND DIST Gnd Zone #17 Page-Gnd Dist-20
47
ELECTRIC_BRAKE
Page 2
B G F A E D C
GROUND 0
L-STOP/TURN 0
PARK LPS 0
BACKUP LPS 0
BATTERY 0
R-STOP/TURN 0
ELECTRIC BRK 0
F E G A D B C
P/N 12191503
Connector - Trailer
900_trlr_receptacle 001
UPC FNA
15354653

ARE16434
003
GMT900
GM Proprietary

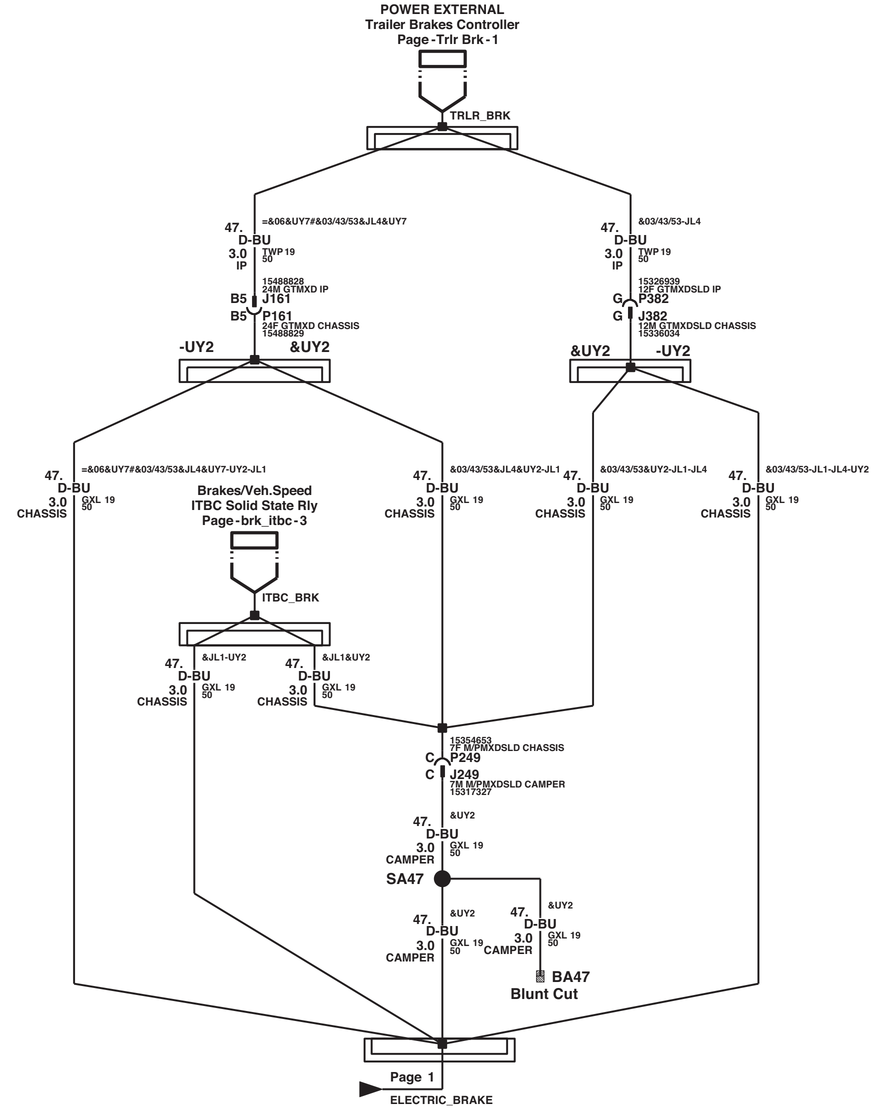
Tuesday, October 10, 2006
8:46:38 am 5
IEC/ESI

Power - External: Camper/Trailer
1_08_pwr_xt_trlr_cmp Panel 1 of 3

&UY7

2008
GMT900
IVER
System Status: Object Status:

Power – External: Camper/Trailer


POWER EXTERNAL
Trailer Brakes Controller
Page - Trlr Brk - 1
TRLR_BRK
=&06&UY7#&03/43/53&JL4&UY7
47.
D-BU
3.0
IP
TWP 19
50
15488828
24M GTMXD IP
B5
J161
B5
P161
24F GTMXD CHASSIS
15488829
&03/43/53-JL4
47.
D-BU
3.0
IP
TWP 19
50
15326939
12F GTMXDSLD IP
G
P382
G
J382
12M GTMXDSLD CHASSIS
15336034
-UY2
&UY2
&UY2
-UY2
=&06&UY7#&03/43/53&JL4&UY7-UY2-JL1
47.
D-BU
3.0
CHASSIS
GXL 19
50
Brakes/Veh.Speed
ITBC Solid State Rly
Page - brk_itbc - 3
ITBC_BRK
&03/43/53&JL4&UY2-JL1
47.
D-BU
3.0
CHASSIS
GXL 19
50
&03/43/53&UY2-JL1-JL4
47.
D-BU
3.0
CHASSIS
GXL 19
50
&03/43/53-JL1-JL4-UY2
47.
D-BU
3.0
CHASSIS
GXL 19
50
&JL1-UY2
47.
D-BU
3.0
CHASSIS
GXL 19
50
&JL1&UY2
47.
D-BU
3.0
CHASSIS
GXL 19
50
15354653
7F M/PMXDSLD CHASSIS
C
P249
C
J249
7M M/PMXDSLD CAMPER
15317327
&UY2
47.
D-BU
3.0
CAMPER
GXL 19
50
SA47
&UY2
47.
D-BU
3.0
CAMPER
GXL 19
50
&UY2
47.
D-BU
3.0
CAMPER
GXL 19
50
BA47
Blunt Cut
Page 1
ELECTRIC_BRAKE

ARE16434
003
GMT900
GM Proprietary

Tuesday, October 10, 2006
8:46:38 am 5
IEC/ESI

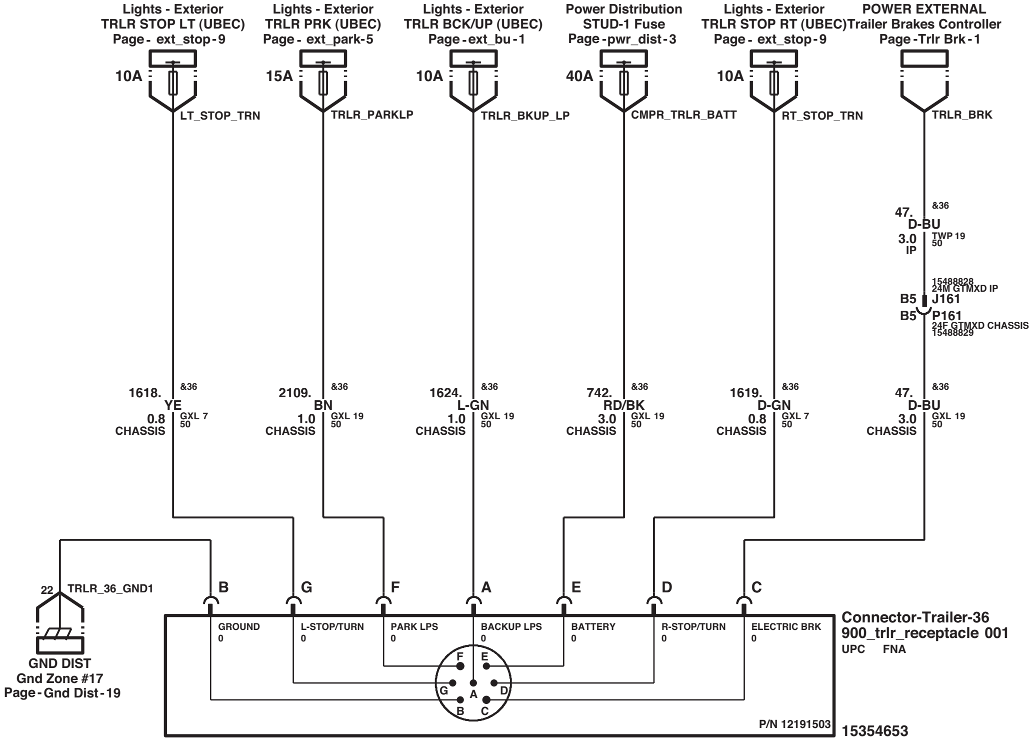
Power - External: Camper/Trailer

1_08_pwr_xt_trlr_cmp Panel 2 of 3

&UY7

2008
GMT900
IVER
System Status: Object Status:

Power – External: Camper/Trailer


Lights - Exterior
TRLR STOP LT (UBEC)
Page - ext_stop - 9
10A
LT_STOP_TRN
Lights - Exterior
TRLR PRK (UBEC)
Page - ext_park-5
15A
TRLR_PARKLP
Lights - Exterior
TRLR BCK/UP (UBEC)
Page - ext_bu - 1
10A
TRLR_BKUP_LP
Power Distribution
STUD-1 Fuse
Page - pwr_dist - 3
40A
CMPR_TRLR_BATT
Lights - Exterior
TRLR STOP RT (UBEC)
Page - ext_stop - 9
10A
RT_STOP_TRN
POWER EXTERNAL
Trailer Brakes Controller
Page - Trlr Brk - 1
TRLR_BRK
47.
D-BU
3.0
IP
&36
TWP 19
50
15488828
24M GTMXD IP
B5
J161
B5
P161
24F GTMXD CHASSIS
15488829
1618.
YE
0.8
CHASSIS
&36
GXL 7
50
2109.
BN
1.0
CHASSIS
&36
GXL 19
50
1624.
L-GN
1.0
CHASSIS
&36
GXL 19
50
742.
RD/BK
3.0
CHASSIS
&36
GXL 19
50
1619.
D-GN
0.8
CHASSIS
&36
GXL 7
50
47.
D-BU
3.0
CHASSIS
&36
GXL 19
50
22
TRLR_36_GND1
GND DIST
Gnd Zone #17
Page - Gnd Dist - 19
B
G
F
A
E
D
C
GROUND
0
L-STOP/TURN
0
PARK LPS
0
BACKUP LPS
0
BATTERY
0
R-STOP/TURN
0
ELECTRIC BRK
0
F
E
G
A
D
B
C
P/N 12191503
Connector-Trailer-36
900_trlr_receptacle 001
UPC FNA
15354653

ARE16434
003
GMT900
GM Proprietary

Tuesday, October 10, 2006
8:46:38 am 5
IEC/ESI

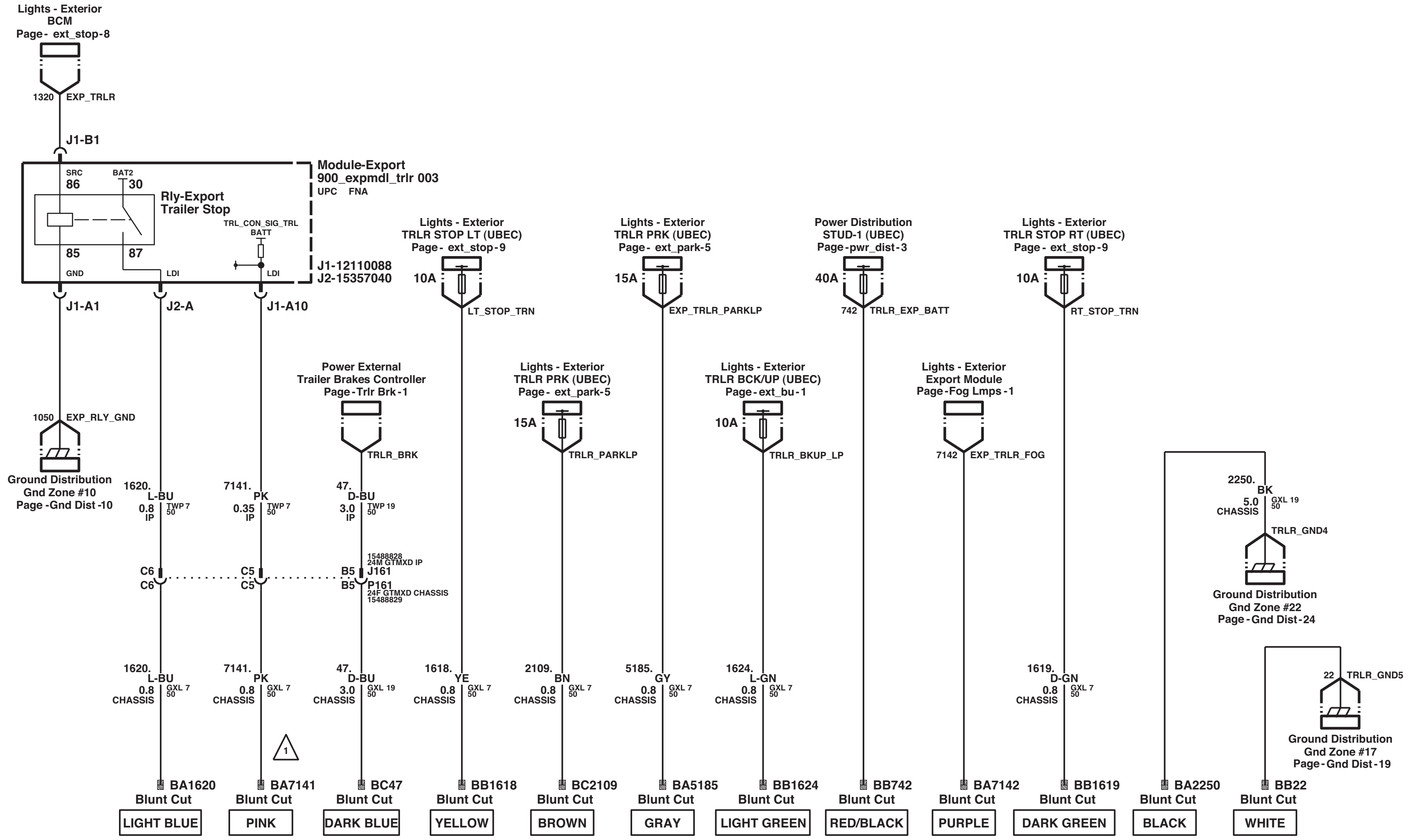
Power - External: Camper/Trailer

1_08_pwr_xt_trlr_cmp Panel 3 of 3

&UY7

2008
GMT900
IVER
System Status: Object Status:

Power – External: Export Trailer


Lights - Exterior
BCM
Page- ext_stop-8
1320 EXP_TRLR
J1-B1
SRC
BAT2
86
30
Rly-Export
Trailer Stop
TRL_CON_SIG_TRL
BATT
85
87
GND
LDI
LDI
Module-Export
900_expmdl_trlr 003
UPC FNA
J1-12110088
J2-15357040
J1-A1
J2-A
J1-A10
1050 EXP_RLY_GND
Ground Distribution
Gnd Zone #10
Page -Gnd Dist -10
1620.
L-BU
0.8 TWP 7 50
IP
7141.
PK
0.35 TWP 7 50
IP
Power External
Trailer Brakes Controller
Page-Trlr Brk-1
TRLR_BRK
47.
D-BU
3.0 TWP 19 50
IP
15488828
24M GTMXD IP
J161
P161
24F GTMXD CHASSIS
15488829
C6
C6
C5
C5
B5
B5
1620.
L-BU
0.8 GXL 7 50
CHASSIS
7141.
PK
0.8 GXL 7 50
CHASSIS
1
47.
D-BU
3.0 GXL 19 50
CHASSIS
Lights - Exterior
TRLR STOP LT (UBEC)
Page- ext_stop-9
10A
LT_STOP_TRN
1618.
YE
0.8 GXL 7 50
CHASSIS
Lights - Exterior
TRLR PRK (UBEC)
Page- ext_park-5
15A
TRLR_PARKLP
2109.
BN
0.8 GXL 7 50
CHASSIS
Lights - Exterior
TRLR PRK (UBEC)
Page- ext_park-5
15A
EXP_TRLR_PARKLP
5185.
GY
0.8 GXL 7 50
CHASSIS
Lights - Exterior
TRLR BCK/UP (UBEC)
Page-ext_bu-1
10A
TRLR_BKUP_LP
1624.
L-GN
0.8 GXL 7 50
CHASSIS
Power Distribution
STUD-1 (UBEC)
Page-pwr_dist-3
40A
742 TRLR_EXP_BATT
Lights - Exterior
Export Module
Page-Fog Lmps-1
7142 EXP_TRLR_FOG
Lights - Exterior
TRLR STOP RT (UBEC)
Page- ext_stop-9
10A
RT_STOP_TRN
1619.
D-GN
0.8 GXL 7 50
CHASSIS
2250.
BK
5.0 GXL 19 50
CHASSIS
TRLR_GND4
Ground Distribution
Gnd Zone #22
Page-Gnd Dist-24
22 TRLR_GND5
Ground Distribution
Gnd Zone #17
Page-Gnd Dist-19
BA1620
Blunt Cut
LIGHT BLUE
BA7141
Blunt Cut
PINK
BC47
Blunt Cut
DARK BLUE
BB1618
Blunt Cut
YELLOW
BC2109
Blunt Cut
BROWN
BA5185
Blunt Cut
GRAY
BB1624
Blunt Cut
LIGHT GREEN
BB742
Blunt Cut
RED/BLACK
BA7142
Blunt Cut
PURPLE
BB1619
Blunt Cut
DARK GREEN
BA2250
Blunt Cut
BLACK
BB22
Blunt Cut
WHITE

NOTES

- •1 – THIS PIN CONNECTED TO GROUND WHEN TRAILER IS CONNECTED

ARE16435
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:03:32 am 3
IEC/ESI

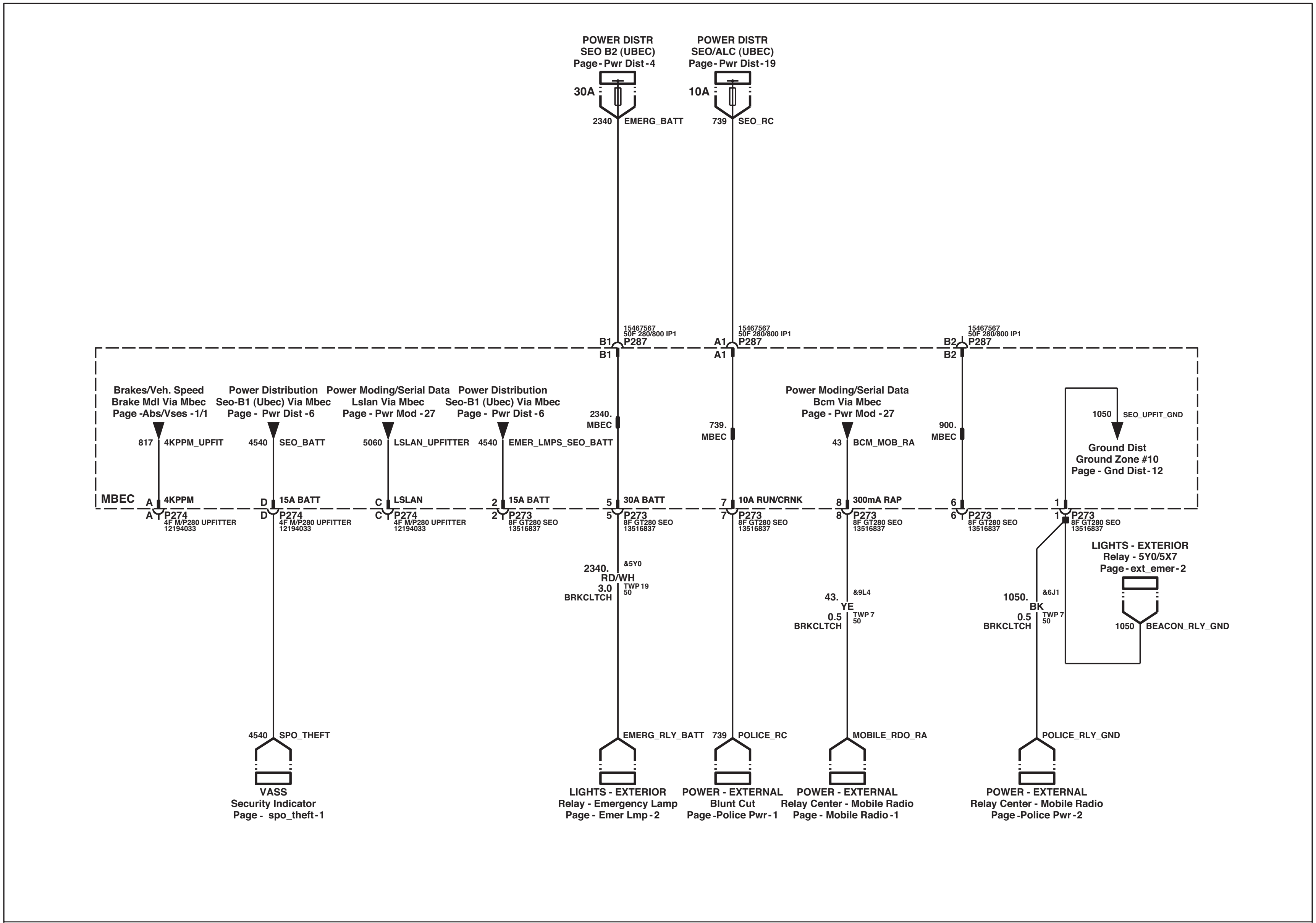
Power - External: Export Trailer

1_08_pwr_xt_trlr_exp Panel 1 of 1

&EXPORT

2008
GMT900
IVER
System Status: Object Status:

Power – External: Upfitter/SEO


POWER DISTR
SEO B2 (UBEC)
Page - Pwr Dist - 4
30A
2340 EMERG_BATT
POWER DISTR
SEO/ALC (UBEC)
Page - Pwr Dist - 19
10A
739 SEO_RC
15467567
50F 280/800 IP1
B1 P287
B1
A1 P287
A1
B2 P287
B2
Brakes/Veh. Speed
Brake Mdl Via Mbec
Page -Abs/Vses - 1/1
817 4KPPM_UPFIT
Power Distribution
Seo-B1 (Ubec) Via Mbec
Page - Pwr Dist - 6
4540 SEO_BATT
Power Moding/Serial Data
Lslan Via Mbec
Page - Pwr Mod - 27
5060 LSLAN_UPFITTER
Power Distribution
Seo-B1 (Ubec) Via Mbec
Page - Pwr Dist - 6
4540 EMER_LMPS_SEO_BATT
2340.
MBEC
739.
MBEC
Power Moding/Serial Data
Bcm Via Mbec
Page - Pwr Mod - 27
43 BCM_MOB_RA
900.
MBEC
1050 SEO_UPFIT_GND
Ground Dist
Ground Zone #10
Page - Gnd Dist - 12
MBEC
A 4KPPM
A P274
D 15A BATT
D P274
C LSLAN
C P274
4F M/P280 UPFITTER
12194033
2 15A BATT
2 P273
5 30A BATT
5 P273
7 10A RUN/CRNK
7 P273
8 300mA RAP
8 P273
6 P273
1 P273
8F GT280 SEO
13516837
&5Y0
2340.
RD/WH
3.0
BRKCLTCH
TWP 19
50
43.
&9L4
YE
0.5
BRKCLTCH
TWP 7
50
1050.
&6J1
BK
0.5
BRKCLTCH
TWP 7
50
LIGHTS - EXTERIOR
Relay - 5Y0/5X7
Page - ext_emer - 2
1050 BEACON_RLY_GND
4540 SPO_THEFT
EMERG_RLY_BATT
739 POLICE_RC
MOBILE_RDO_RA
POLICE_RLY_GND
VASS
Security Indicator
Page - spo_theft - 1
LIGHTS - EXTERIOR
Relay - Emergency Lamp
Page - Emer Lmp - 2
POWER - EXTERNAL
Blunt Cut
Page -Police Pwr - 1
POWER - EXTERNAL
Relay Center - Mobile Radio
Page - Mobile Radio - 1
POWER - EXTERNAL
Relay Center - Mobile Radio
Page -Police Pwr - 2

ARE16436
003
GMT900
GM Proprietary

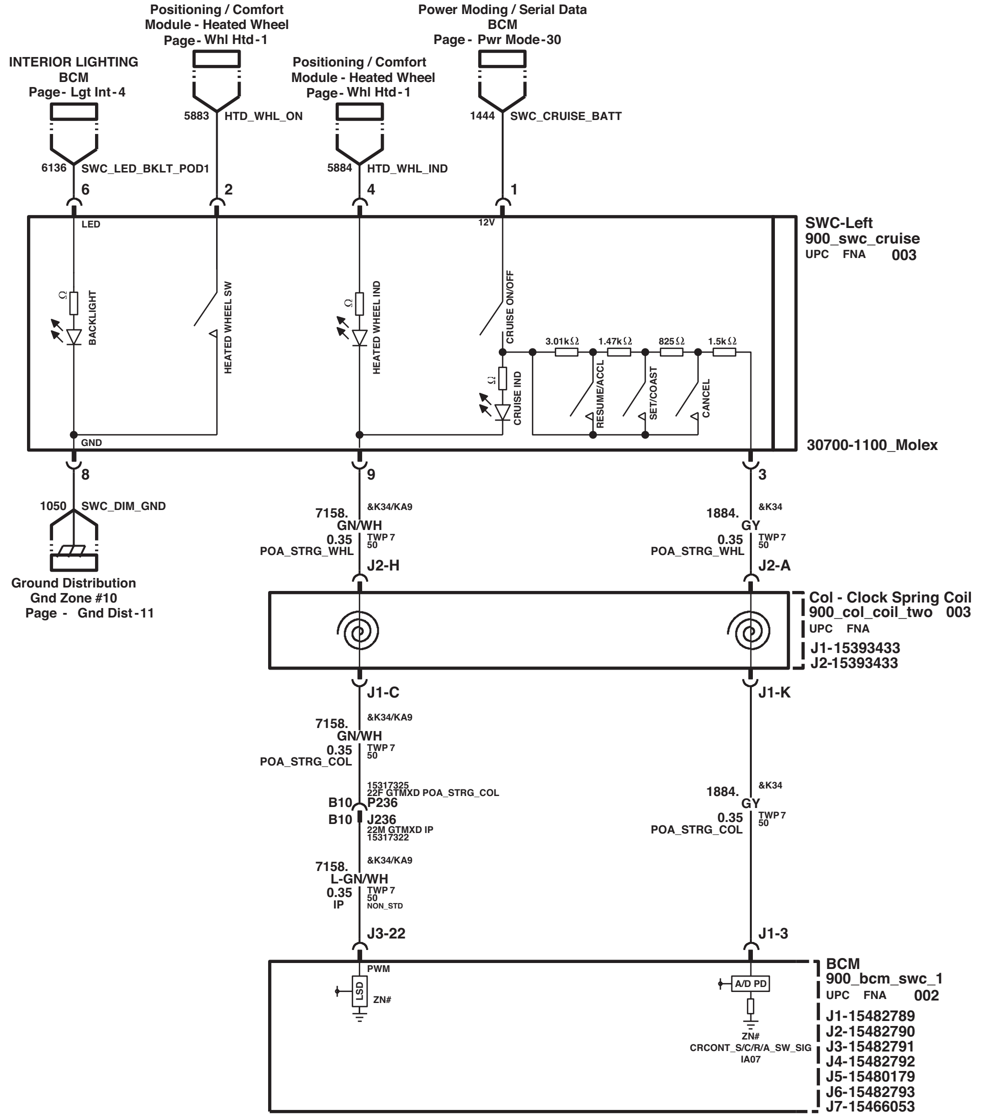
Tuesday, August 22, 2006
9:03:57 am 3
IEC/ESI

Power - External: Upfitter/SEO

1_08_pwr_xt_upfitter Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Steering: Steering Wheel Controls


Positioning / Comfort
Module - Heated Wheel
Page - Whl Htd - 1
Power Moding / Serial Data
BCM
Page - Pwr Mode - 30
INTERIOR LIGHTING
BCM
Page - Lgt Int - 4
Positioning / Comfort
Module - Heated Wheel
Page - Whl Htd - 1
5883 HTD_WHL_ON
1444 SWC_CRUISE_BATT
6136 SWC_LED_BKLT_POD1
5884 HTD_WHL_IND
6
2
4
1
LED
12V
SWC-Left
900_swc_cruise
UPC FNA 003
Ω
BACKLIGHT
HEATED WHEEL SW
Ω
HEATED WHEEL IND
CRUISE ON/OFF
3.01kΩ
1.47kΩ
825Ω
1.5kΩ
Ω
CRUISE IND
RESUME/ACCL
SET/COAST
CANCEL
GND
30700-1100_Molex
8
9
3
1050 SWC_DIM_GND
7158. &K34/KA9
GN/WH
0.35 TWP 7 50
POA_STRG_WHL
1884. &K34
GY
0.35 TWP 7 50
POA_STRG_WHL
J2-H
J2-A
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 11
Col - Clock Spring Coil
900_col_coil_two 003
UPC FNA
J1-15393433
J2-15393433
J1-C
J1-K
7158. &K34/KA9
GN/WH
0.35 TWP 7 50
POA_STRG_COL
15317325
22F GTMXD POA_STRG_COL
B10 P236
B10 J236
22M GTMXD IP
15317322
1884. &K34
GY
0.35 TWP 7 50
POA_STRG_COL
7158. &K34/KA9
L-GN/WH
0.35 TWP 7 50 NON_STD
IP
J3-22
J1-3
PWM
LSD
ZN#
A/D PD
ZN#
CRCONT_S/C/R/A_SW_SIG
IA07
BCM
900_bcm_swc_1
UPC FNA 002
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES
- • 1 – FAST IDLE OPTION ENABLED VIA CRUISE CONTROL SWITCH

ARE16438
003
GMT900
GM Proprietary

Thursday, October 26, 2006
9:09:54 am 4
IEC/ESI

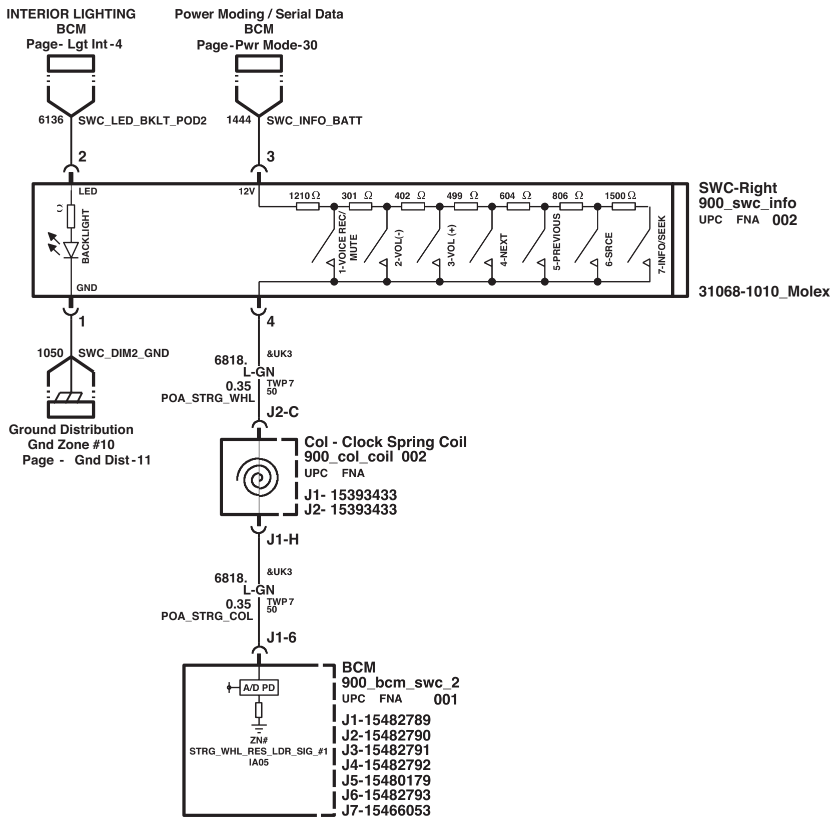
Steering: Steering Wheel Controls

1_08_strg_swc Panel 1 of 2

2008
GMT900

System Status: Object Status:

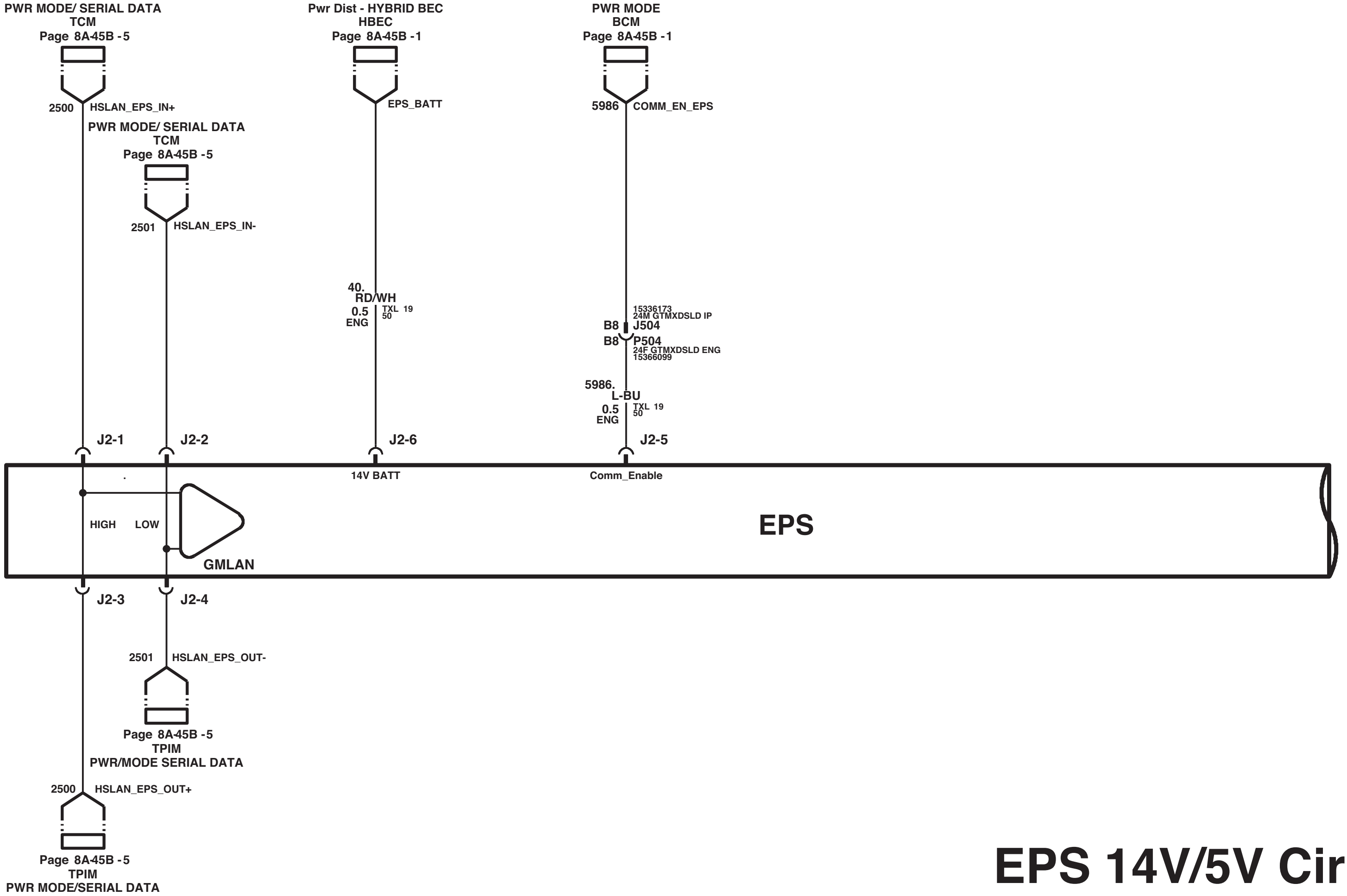
Steering: Steering Wheel Controls


INTERIOR LIGHTING
BCM
Page- Lgt Int-4
Power Moding / Serial Data
BCM
Page-Pwr Mode-30
6136
SWC_LED_BKLT_POD2
1444
SWC_INFO_BATT
2
3
LED
BACKLIGHT
GND
12V
1210 Ω
301 Ω
402 Ω
499 Ω
604 Ω
806 Ω
1500 Ω
1-VOICE REC/ MUTE
2-VOL(-)
3-VOL (+)
4-NEXT
5-PREVIOUS
6-SRCE
7-INFO/SEEK
SWC-Right
900_swc_info
UPC FNA 002
31068-1010_Molex
1
4
1050
SWC_DIM2_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist-11
6818.
&UK3
L-GN
0.35
TWP 7
50
POA_STRG_WHL
J2-C
Col - Clock Spring Coil
900_col_coil 002
UPC FNA
J1- 15393433
J2- 15393433
J1-H
6818.
&UK3
L-GN
0.35
TWP 7
50
POA_STRG_COL
J1-6
A/D PD
ZN#
STRG_WHL_RES_LDR_SIG_#1
IA05
BCM
900_bcm_swc_2
UPC FNA 001
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES
- 1 – FOR VEHICLES WITHOUT VOICE RECOGNITION THIS WILL BE MUTE

ARE16438 003 GMT900 GM Proprietary	Thursday, October 26, 2006 9:09:54 am 4 IEC/ESI	**Steering: Steering Wheel Controls** 1_08_strg_swc Panel 2 of 2	2008 GMT900 System Status: Object Status:

Steering: EPS Hybrid


PWR MODE/ SERIAL DATA
TCM
Page 8A-45B -5
2500
HSLAN_EPS_IN+
PWR MODE/ SERIAL DATA
TCM
Page 8A-45B -5
2501
HSLAN_EPS_IN-
Pwr Dist - HYBRID BEC
HBEC
Page 8A-45B -1
EPS_BATT
40.
RD/WH
0.5
ENG
TXL 19
50
PWR MODE
BCM
Page 8A-45B -1
5986
COMM_EN_EPS
15336173
24M GTMXDSLD IP
B8
J504
B8
P504
24F GTMXDSLD ENG
15366099
5986.
L-BU
0.5
ENG
TXL 19
50
J2-1
J2-2
J2-6
J2-5
14V BATT
Comm_Enable
HIGH
LOW
GMLAN
EPS
J2-3
J2-4
2501
HSLAN_EPS_OUT-
Page 8A-45B -5
TPIM
PWR/MODE SERIAL DATA
2500
HSLAN_EPS_OUT+
Page 8A-45B -5
TPIM
PWR MODE/SERIAL DATA

EPS 14V/5V Circuits

EPS
Released 08 GMT900
Panel Set: 1 of 2 schematic sheet1 1

OBJECT ID
1_08_strg_eps_hybrid
$IVEDWORK/1_08_strg_eps_hybrid__001

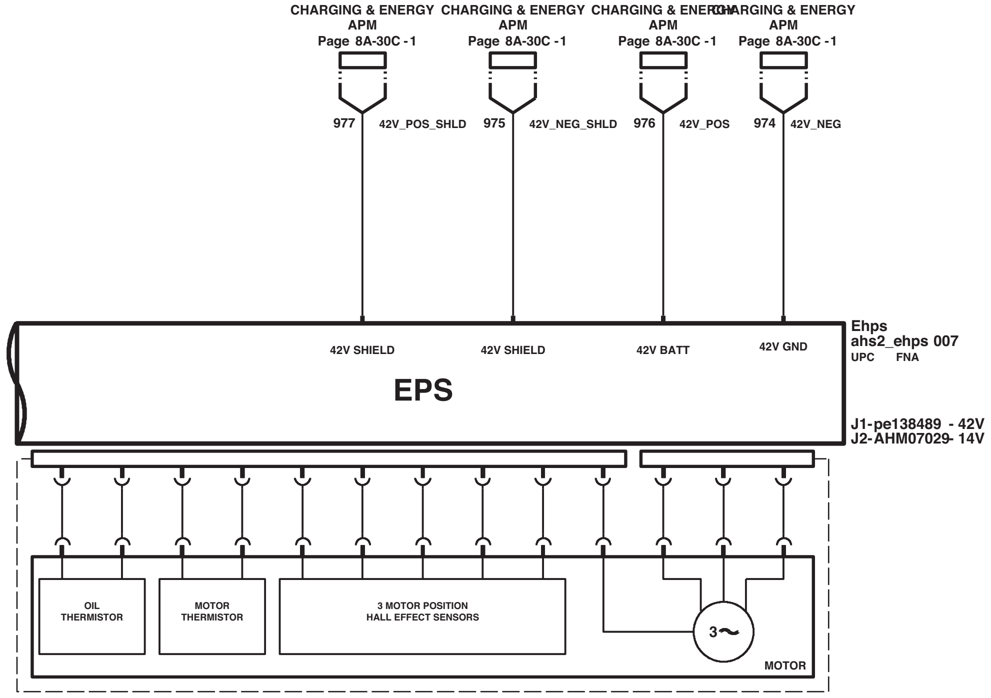
REVISION 001
STAGE X
VERSION
LAST CHANGED BY 8:11:33 am
Wednesday, February 22, 2006

ORGANIZATION
GMT900
Panel Set: 1

USAGE
&HP2

GM Proprietary

Steering: EPS Hybrid

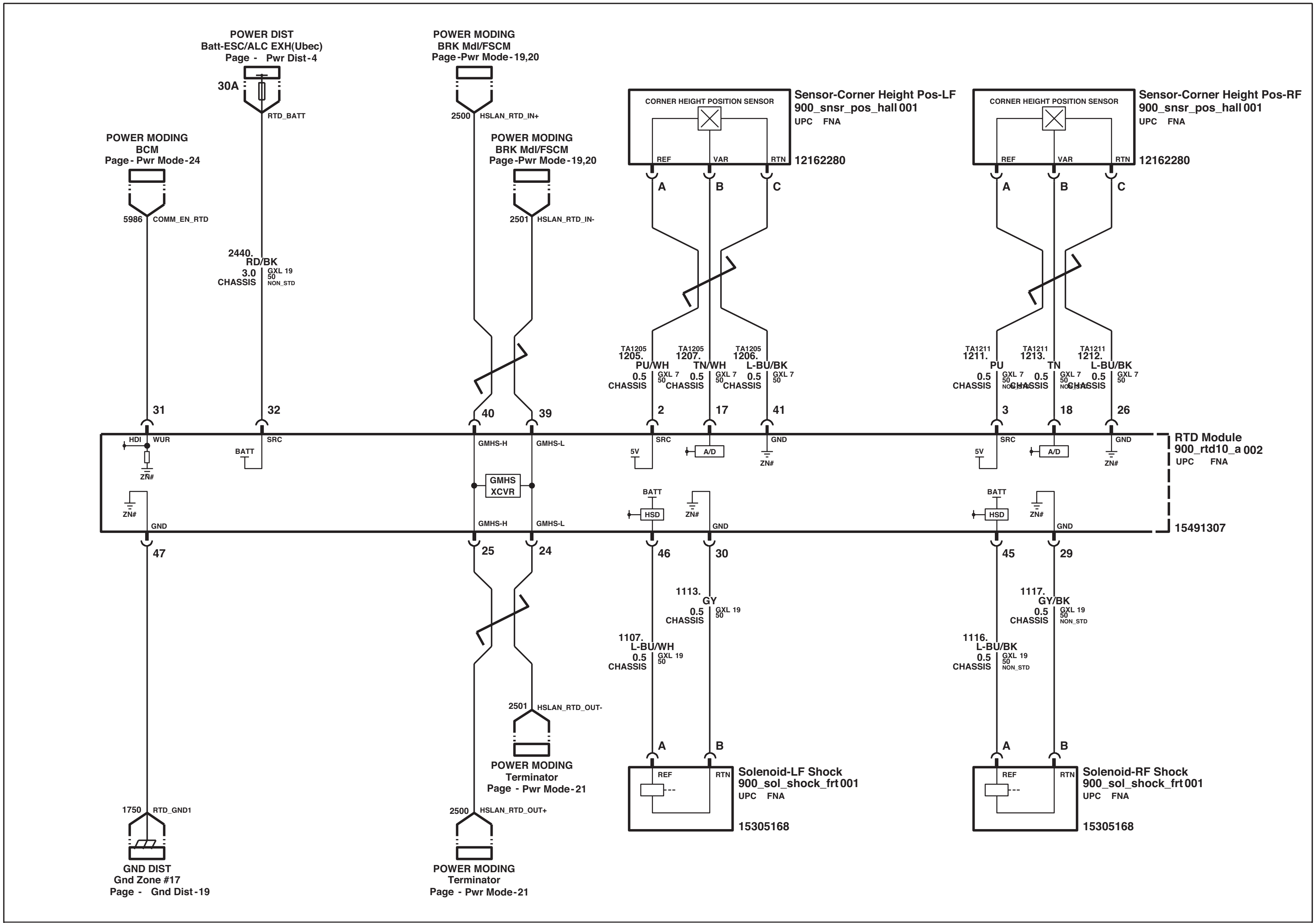

CHARGING & ENERGY
APM
Page 8A-30C -1
CHARGING & ENERGY
APM
Page 8A-30C -1
CHARGING & ENERGY
APM
Page 8A-30C -1
CHARGING & ENERGY
APM
Page 8A-30C -1
977
42V_POS_SHLD
975
42V_NEG_SHLD
976
42V_POS
974
42V_NEG
42V SHIELD
42V SHIELD
42V BATT
42V GND
EPS
Ehps
ahs2_ehps 007
UPC FNA
J1-pe138489 - 42V
J2-AHM07029- 14V
OIL THERMISTOR
MOTOR THERMISTOR
3 MOTOR POSITION HALL EFFECT SENSORS
3~
MOTOR

EPS 42V Circuits

EPS
Released 08 GMT900
Panel Set: 2 of 2 schematic sheet1 1
OBJECT ID 1_08_strg_eps_hybrid
$IVEDWORK/1_08_strg_eps_hybrid__001
REVISION 001
STAGE X
VERSION
LAST CHANGED BY
8:11:33 am
Wednesday, February 22, 2006
ORGANIZATION GMT900
Panel Set: 2
USAGE &HP2

GM Proprietary

Suspension Controls: Damping-Automatic


POWER DIST
Batt-ESC/ALC EXH(Ubec)
Page - Pwr Dist-4
30A
RTD_BATT
POWER MODING
BRK Mdl/FSCM
Page-Pwr Mode-19,20
2500 HSLAN_RTD_IN+
POWER MODING
BCM
Page- Pwr Mode-24
5986 COMM_EN_RTD
POWER MODING
BRK Mdl/FSCM
Page-Pwr Mode-19,20
2501 HSLAN_RTD_IN-
2440.
RD/BK
3.0 GXL 19 50 NON_STD
CHASSIS
CORNER HEIGHT POSITION SENSOR
REF VAR RTN
Sensor-Corner Height Pos-LF
900_snsr_pos_hall 001
UPC FNA
12162280
A B C
CORNER HEIGHT POSITION SENSOR
REF VAR RTN
Sensor-Corner Height Pos-RF
900_snsr_pos_hall 001
UPC FNA
12162280
A B C
TA1205 1205. PU/WH 0.5 GXL 7 50 CHASSIS
TA1205 1207. TN/WH 0.5 GXL 7 50 CHASSIS
TA1205 1206. L-BU/BK 0.5 GXL 7 50 CHASSIS
TA1211 1211. PU 0.5 GXL 7 50 NON_STD CHASSIS
TA1211 1213. TN 0.5 GXL 7 50 NON_STD CHASSIS
TA1211 1212. L-BU/BK 0.5 GXL 7 50 CHASSIS
31 32 40 39 2 17 41 3 18 26
HDI WUR ZN# BATT SRC GMHS-H GMHS-L 5V SRC A/D GND ZN#
GMHS XCVR
ZN# GND BATT HSD ZN# GND GMHS-H GMHS-L
RTD Module
900_rtd10_a 002
UPC FNA
15491307
47 25 24 46 30 45 29
1113.
GY
0.5 GXL 19 50
CHASSIS
1107.
L-BU/WH
0.5 GXL 19 50
CHASSIS
1117.
GY/BK
0.5 GXL 19 50 NON_STD
CHASSIS
1116.
L-BU/BK
0.5 GXL 19 50 NON_STD
CHASSIS
2501 HSLAN_RTD_OUT-
POWER MODING
Terminator
Page - Pwr Mode-21
A B
REF RTN
Solenoid-LF Shock
900_sol_shock_frt 001
UPC FNA
15305168
A B
REF RTN
Solenoid-RF Shock
900_sol_shock_frt 001
UPC FNA
15305168
1750 RTD_GND1
GND DIST
Gnd Zone #17
Page - Gnd Dist-19
2500 HSLAN_RTD_OUT+
POWER MODING
Terminator
Page - Pwr Mode-21

ARE16439
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:54:01 am 2
IEC/ESI

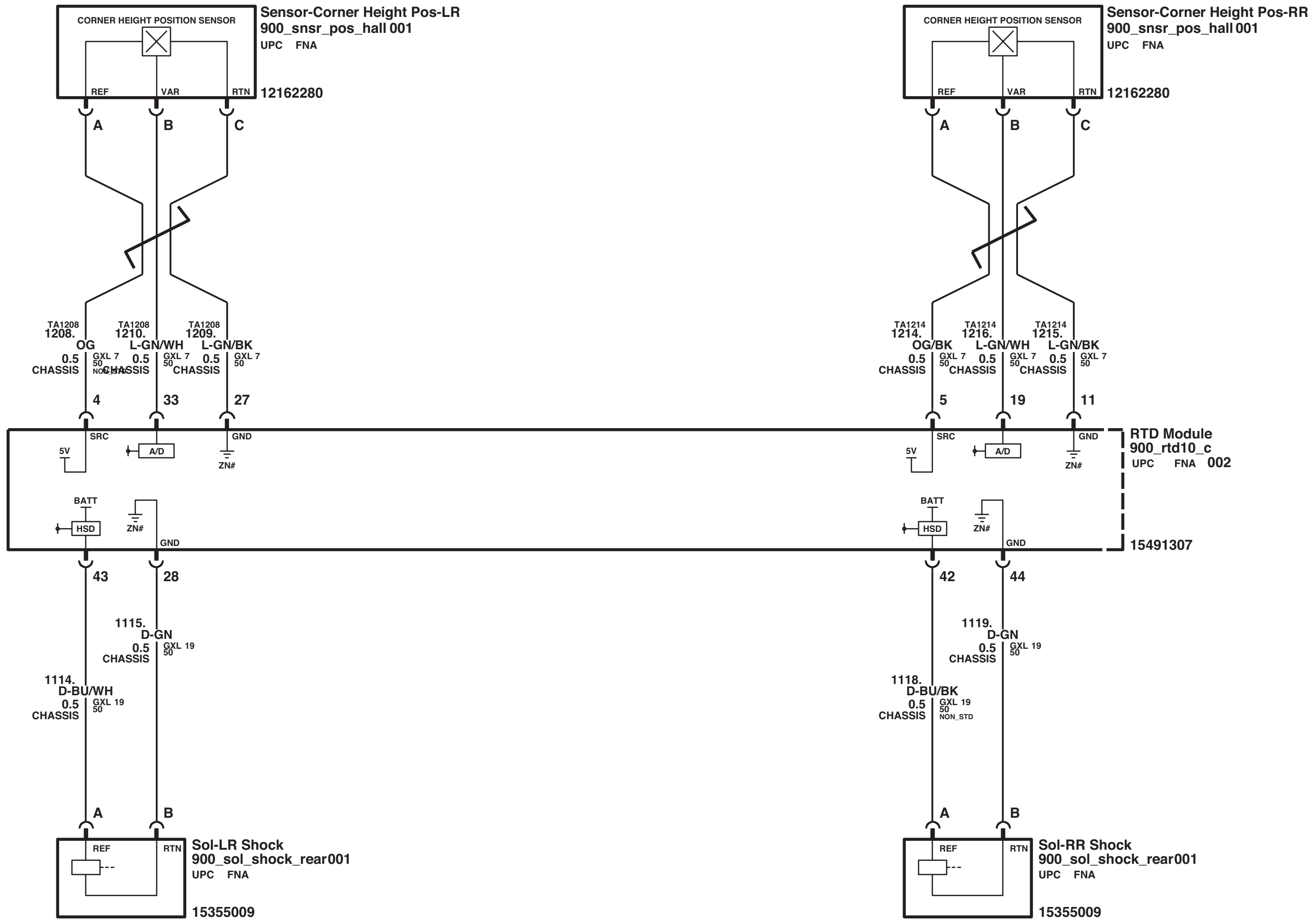
Suspension Controls: Damping-Automatic

1_08_susp_damp_auto_10 Panel 1 of 2

&Z55

2008
GMT900
IVER
System Status: Object Status:

Suspension Controls: Damping-Automatic


CORNER HEIGHT POSITION SENSOR
Sensor-Corner Height Pos-LR
900_snsr_pos_hall 001
UPC FNA
REF
VAR
RTN
12162280
A
B
C
TA1208
1208.
OG
0.5
CHASSIS
GXL 7
50
NON_STD
TA1208
1210.
L-GN/WH
0.5
CHASSIS
GXL 7
50
TA1208
1209.
L-GN/BK
0.5
CHASSIS
GXL 7
50
4
33
27
SRC
5V
A/D
GND
ZN#
BATT
HSD
ZN#
GND
43
28
1115.
D-GN
0.5
CHASSIS
GXL 19
50
1114.
D-BU/WH
0.5
CHASSIS
GXL 19
50
A
B
REF
RTN
Sol-LR Shock
900_sol_shock_rear001
UPC FNA
15355009
CORNER HEIGHT POSITION SENSOR
Sensor-Corner Height Pos-RR
900_snsr_pos_hall 001
UPC FNA
REF
VAR
RTN
12162280
A
B
C
TA1214
1214.
OG/BK
0.5
CHASSIS
GXL 7
50
TA1214
1216.
L-GN/WH
0.5
CHASSIS
GXL 7
50
TA1214
1215.
L-GN/BK
0.5
CHASSIS
GXL 7
50
5
19
11
SRC
5V
A/D
GND
ZN#
RTD Module
900_rtd10_c
UPC FNA 002
BATT
HSD
ZN#
GND
15491307
42
44
1119.
D-GN
0.5
CHASSIS
GXL 19
50
1118.
D-BU/BK
0.5
CHASSIS
GXL 19
50
NON_STD
A
B
REF
RTN
Sol-RR Shock
900_sol_shock_rear001
UPC FNA
15355009

ARE16439
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:54:01 am 2
IEC/ESI

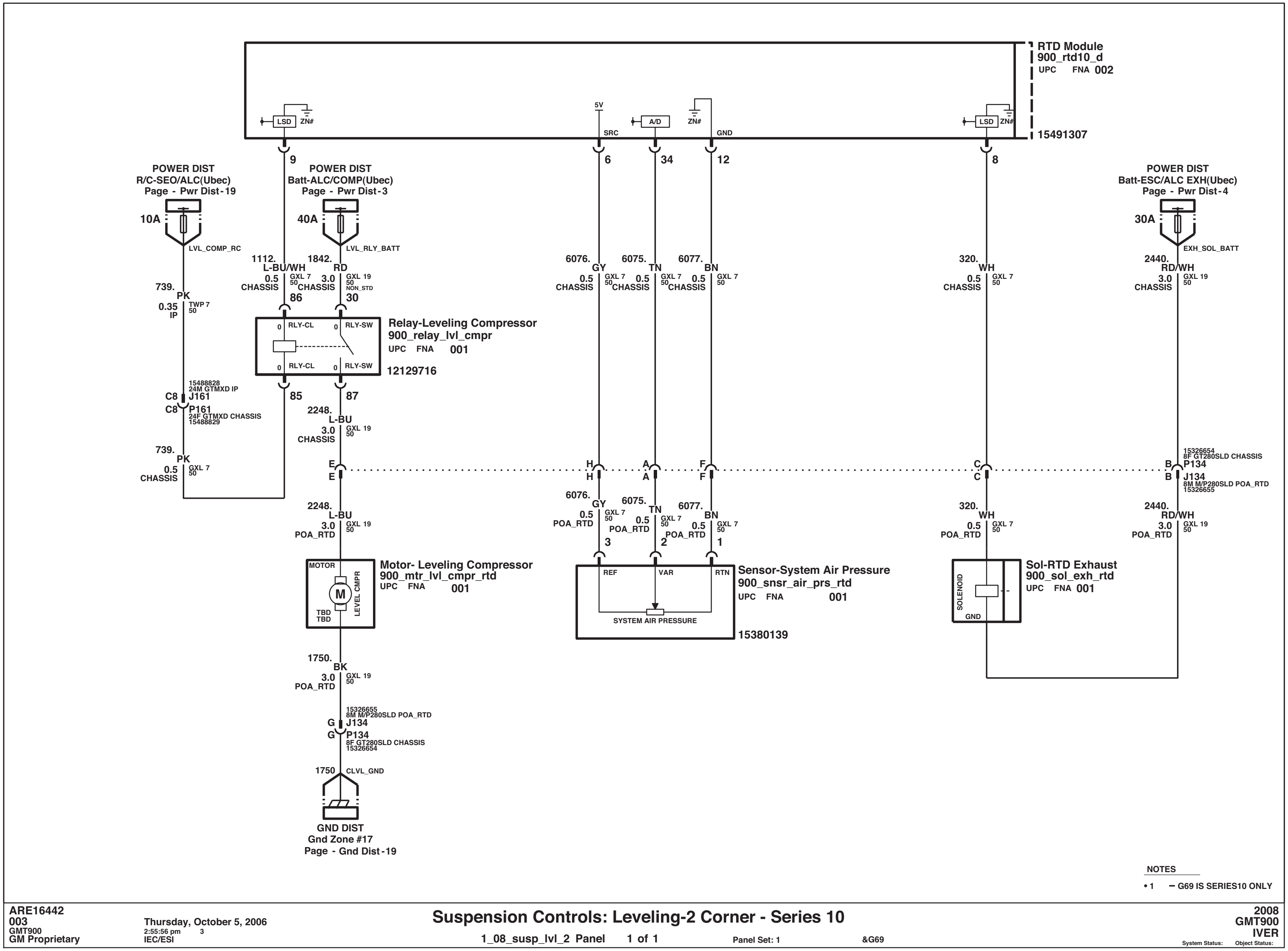
Suspension Controls: Damping-Automatic

1_08_susp_damp_auto_10 Panel 2 of 2

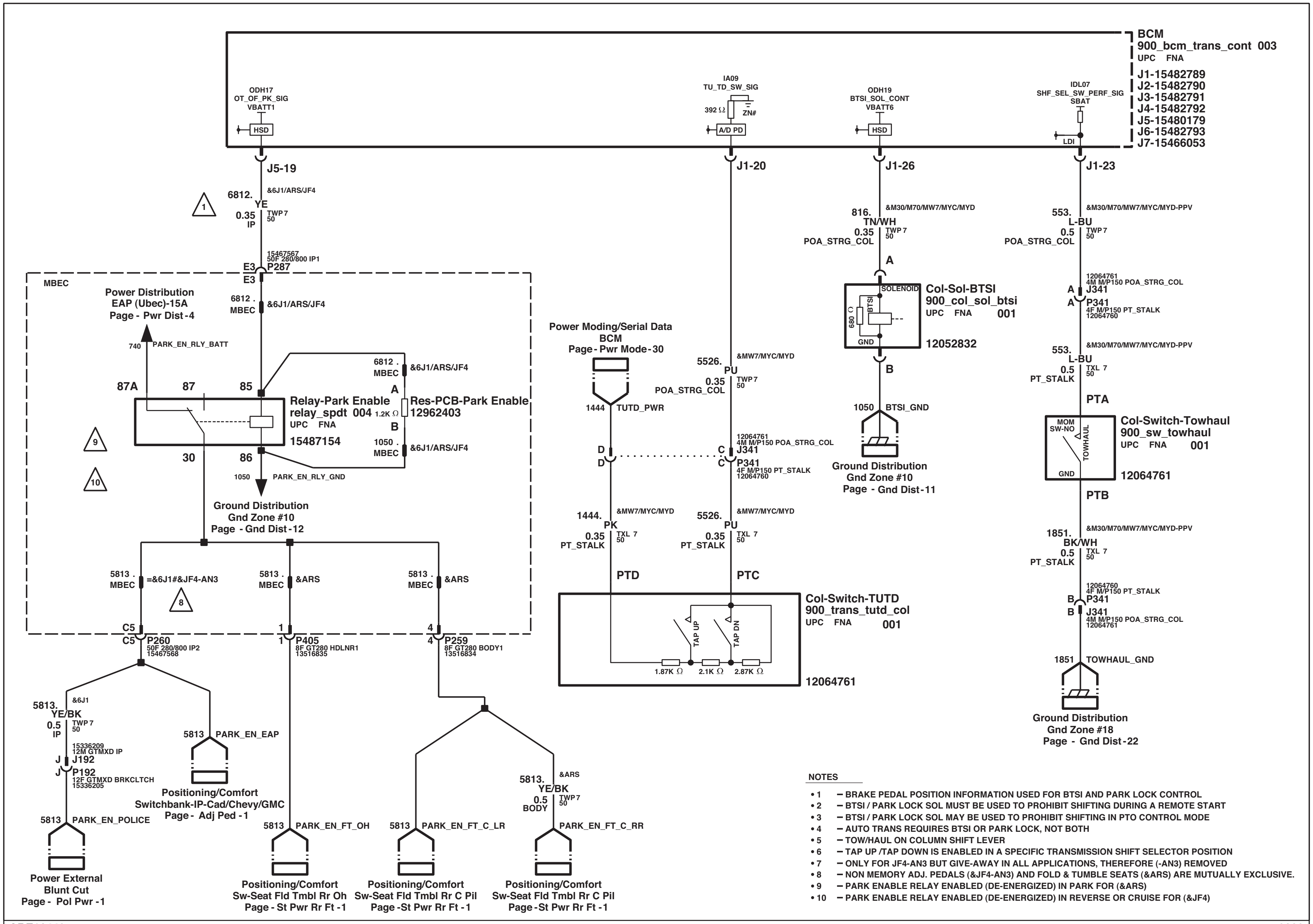
&Z55

2008
GMT900
IVER
System Status: Object Status:

Suspension Controls: Leveling-2 Corner – Series 10


RTD Module
900_rtd10_d
UPC FNA 002
15491307
LSD ZN#
5V
SRC
A/D
ZN#
GND
LSD ZN#
9
6
34
12
8
POWER DIST
R/C-SEO/ALC(Ubec)
Page - Pwr Dist-19
10A
LVL_COMP_RC
POWER DIST
Batt-ALC/COMP(Ubec)
Page - Pwr Dist-3
40A
LVL_RLY_BATT
POWER DIST
Batt-ESC/ALC EXH(Ubec)
Page - Pwr Dist-4
30A
EXH_SOL_BATT
1112. L-BU/WH 0.5 CHASSIS GXL 7 50
1842. RD 3.0 CHASSIS GXL 19 50 NON_STD
739. PK 0.35 IP TWP 7 50
6076. GY 0.5 CHASSIS GXL 7 50
6075. TN 0.5 CHASSIS GXL 7 50
6077. BN 0.5 CHASSIS GXL 7 50
320. WH 0.5 CHASSIS GXL 7 50
2440. RD/WH 3.0 CHASSIS GXL 19 50
86
30
Relay-Leveling Compressor
900_relay_lvl_cmpr
UPC FNA 001
12129716
0 RLY-CL
0 RLY-SW
0 RLY-CL
0 RLY-SW
85
87
15488828 24M GTMXD IP
C8 J161
C8 P161
24F GTMXD CHASSIS 15488829
739. PK 0.5 CHASSIS GXL 7 50
2248. L-BU 3.0 CHASSIS GXL 19 50
E E
H H
A A
F F
C C
B P134
B J134
15326654 8F GT280SLD CHASSIS
8M M/P280SLD POA_RTD 15326655
2248. L-BU 3.0 POA_RTD GXL 19 50
6076. GY 0.5 POA_RTD GXL 7 50
6075. TN 0.5 POA_RTD GXL 7 50
6077. BN 0.5 POA_RTD GXL 7 50
320. WH 0.5 POA_RTD GXL 7 50
2440. RD/WH 3.0 POA_RTD GXL 19 50
3
2
1
MOTOR
M
LEVEL CMPR
TBD
TBD
Motor- Leveling Compressor
900_mtr_lvl_cmpr_rtd
UPC FNA 001
REF
VAR
RTN
SYSTEM AIR PRESSURE
Sensor-System Air Pressure
900_snsr_air_prs_rtd
UPC FNA 001
15380139
SOLENOID
GND
Sol-RTD Exhaust
900_sol_exh_rtd
UPC FNA 001
1750. BK 3.0 POA_RTD GXL 19 50
15326655 8M M/P280SLD POA_RTD
G J134
G P134
8F GT280SLD CHASSIS 15326654
1750 CLVL_GND
GND DIST
Gnd Zone #17
Page - Gnd Dist-19
NOTES
• 1 – G69 IS SERIES10 ONLY
ARE16442
003
GMT900
GM Proprietary
Thursday, October 5, 2006
2:55:56 pm 3
IEC/ESI
Suspension Controls: Leveling-2 Corner - Series 10
1_08_susp_lvl_2 Panel 1 of 1
Panel Set: 1
&G69
2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Trans Shift Interface


BCM
900_bcm_trans_cont 003
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH17
OT_OF_PK_SIG
VBATT1
HSD
IA09
TU_TD_SW_SIG
392 Ω
ZN#
A/D PD
ODH19
BTSI_SOL_CONT
VBATT6
HSD
IDL07
SHF_SEL_SW_PERF_SIG
SBAT
LDI
J5-19
J1-20
J1-26
J1-23
6812.
YE
0.35
IP
&6J1/ARS/JF4
TWP 7
50
15467567
50F 280/800 IP1
E3 P287
MBEC
Power Distribution
EAP (Ubec)-15A
Page - Pwr Dist - 4
740 PARK_EN_RLY_BATT
87A
87
85
30
86
Relay-Park Enable
relay_spdt 004
UPC FNA
15487154
Res-PCB-Park Enable
12962403
1.2K Ω
A
B
6812 . MBEC &6J1/ARS/JF4
1050 . MBEC &6J1/ARS/JF4
1050 PARK_EN_RLY_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 12
5813 . MBEC =&6J1#&JF4-AN3
5813 . MBEC &ARS
5813 . MBEC &ARS
C5 P260
50F 280/800 IP2
15467568
1 P405
8F GT280 HDLNR1
13516835
4 P259
8F GT280 BODY1
13516834
5813.
YE/BK
0.5
IP
&6J1
TWP 7
50
15336209
12M GTMXD IP
J J192
J P192
12F GTMXD BRKCLTCH
15336205
5813 PARK_EN_POLICE
Power External
Blunt Cut
Page - Pol Pwr - 1
5813 PARK_EN_EAP
Positioning/Comfort
Switchbank-IP-Cad/Chevy/GMC
Page - Adj Ped - 1
5813 PARK_EN_FT_OH
Positioning/Comfort
Sw-Seat Fld Tmbl Rr Oh
Page - St Pwr Rr Ft - 1
5813 PARK_EN_FT_C_LR
Positioning/Comfort
Sw-Seat Fld Tmbl Rr C Pil
Page - St Pwr Rr Ft - 1
5813.
YE/BK
0.5
BODY
&ARS
TWP 7
50
PARK_EN_FT_C_RR
Positioning/Comfort
Sw-Seat Fld Tmbl Rr C Pil
Page - St Pwr Rr Ft - 1
Power Moding/Serial Data
BCM
Page - Pwr Mode - 30
1444 TUTD_PWR
5526.
PU
0.35
POA_STRG_COL
&MW7/MYC/MYD
TWP 7
50
12064761
4M M/P150 POA_STRG_COL
C J341
C P341
4F M/P150 PT_STALK
12064760
D
1444.
PK
0.35
PT_STALK
&MW7/MYC/MYD
TXL 7
50
5526.
PU
0.35
PT_STALK
PTD
PTC
Col-Switch-TUTD
900_trans_tutd_col
UPC FNA
001
TAP UP
TAP DN
1.87K Ω
2.1K Ω
2.87K Ω
12064761
816.
TN/WH
0.35
POA_STRG_COL
&M30/M70/MW7/MYC/MYD
A
Col-Sol-BTSI
900_col_sol_btsi
UPC FNA
001
SOLENOID
BTSI
680 Ω
GND
12052832
B
1050 BTSI_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - 11
553.
L-BU
0.5
POA_STRG_COL
&M30/M70/MW7/MYC/MYD-PPV
12064761
4M M/P150 POA_STRG_COL
A J341
A P341
4F M/P150 PT_STALK
12064760
553.
L-BU
0.5
PT_STALK
PTA
Col-Switch-Towhaul
900_sw_towhaul
UPC FNA
001
MOM SW-NO
TOWHAUL
GND
12064761
PTB
1851.
BK/WH
0.5
PT_STALK
B P341
B J341
1851 TOWHAUL_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
1
8
9
10

NOTES

- • 1 – BRAKE PEDAL POSITION INFORMATION USED FOR BTSI AND PARK LOCK CONTROL
- • 2 – BTSI / PARK LOCK SOL MUST BE USED TO PROHIBIT SHIFTING DURING A REMOTE START
- • 3 – BTSI / PARK LOCK SOL MAY BE USED TO PROHIBIT SHIFTING IN PTO CONTROL MODE
- • 4 – AUTO TRANS REQUIRES BTSI OR PARK LOCK, NOT BOTH
- • 5 – TOW/HAUL ON COLUMN SHIFT LEVER
- • 6 – TAP UP /TAP DOWN IS ENABLED IN A SPECIFIC TRANSMISSION SHIFT SELECTOR POSITION
- • 7 – ONLY FOR JF4-AN3 BUT GIVE-AWAY IN ALL APPLICATIONS, THEREFORE (-AN3) REMOVED
- • 8 – NON MEMORY ADJ. PEDALS (&JF4-AN3) AND FOLD & TUMBLE SEATS (&ARS) ARE MUTUALLY EXCLUSIVE.
- • 9 – PARK ENABLE RELAY ENABLED (DE-ENERGIZED) IN PARK FOR (&ARS)
- • 10 – PARK ENABLE RELAY ENABLED (DE-ENERGIZED) IN REVERSE OR CRUISE FOR (&JF4)

ARE16443
003
GMT900
GM Proprietary

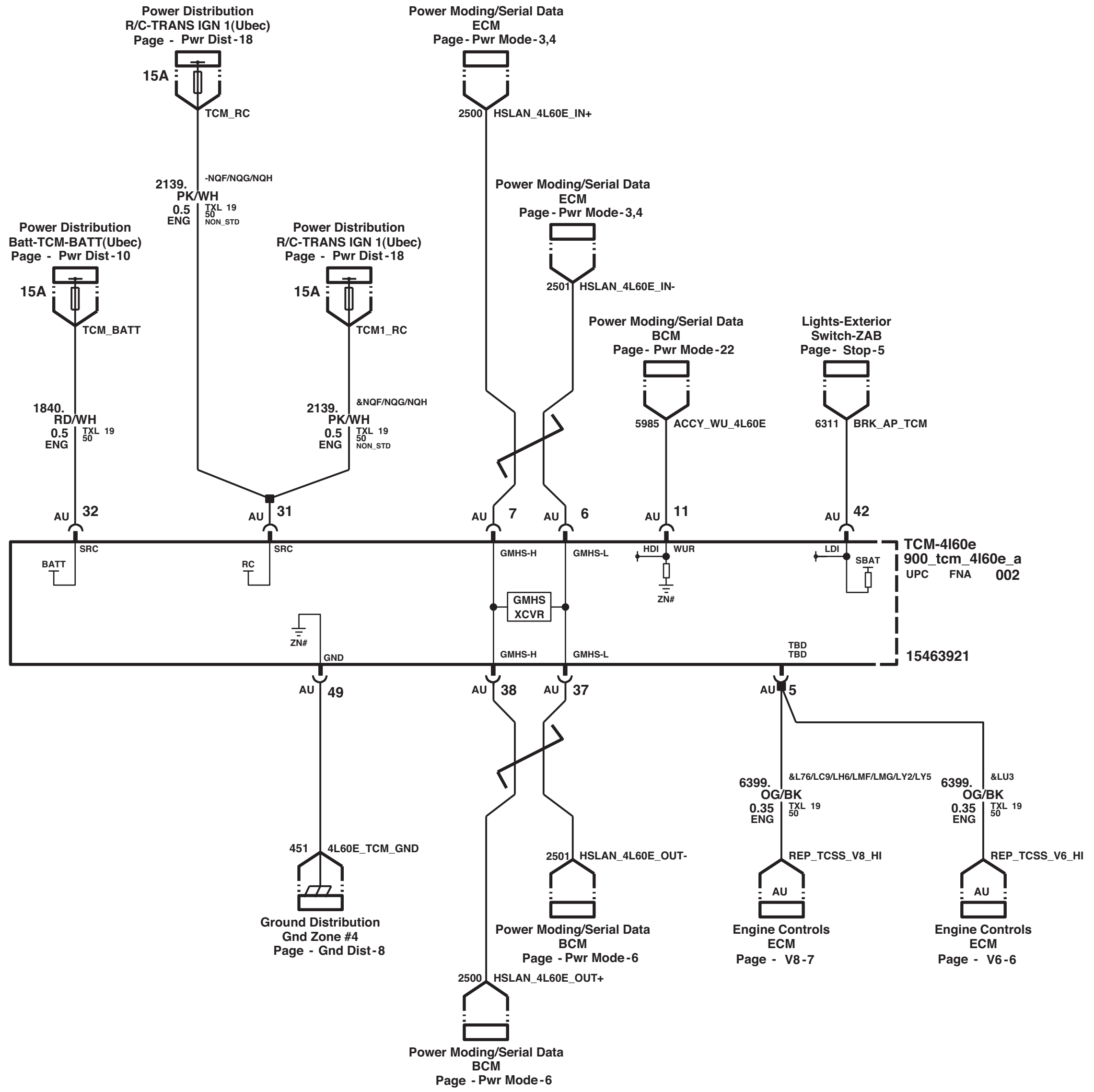
Thursday, July 13, 2006
7:54:12 am 2
IEC/ESI

Transmission Controls: Trans Shift Interface

1_08_trans_cont Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: 4L60E/4L70E


Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
TCM_RC
2139.
-NQF/NQG/NQH
PK/WH
0.5
ENG
TXL 19
50
NON_STD
Power Moding/Serial Data
ECM
Page- Pwr Mode-3,4
2500
HSLAN_4L60E_IN+
Power Moding/Serial Data
ECM
Page- Pwr Mode-3,4
2501
HSLAN_4L60E_IN-
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
TCM_BATT
1840.
RD/WH
0.5
ENG
TXL 19
50
Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
TCM1_RC
2139.
&NQF/NQG/NQH
PK/WH
0.5
ENG
TXL 19
50
NON_STD
Power Moding/Serial Data
BCM
Page- Pwr Mode-22
5985
ACCY_WU_4L60E
Lights-Exterior
Switch-ZAB
Page- Stop-5
6311
BRK_AP_TCM
AU 32
AU 31
AU 7
AU 6
AU 11
AU 42
SRC
BATT
SRC
RC
GMHS-H
GMHS-L
HDI
WUR
ZN#
LDI
SBAT
GMHS
XCVR
ZN#
GND
GMHS-H
GMHS-L
TBD
TBD
TCM-4l60e
900_tcm_4l60e_a
UPC FNA 002
15463921
AU 49
AU 38
AU 37
AU 5
6399.
&L76/LC9/LH6/LMF/LMG/LY2/LY5
OG/BK
0.35
ENG
TXL 19
50
6399.
&LU3
OG/BK
0.35
ENG
TXL 19
50
451
4L60E_TCM_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
2501
HSLAN_4L60E_OUT-
Power Moding/Serial Data
BCM
Page - Pwr Mode-6
2500
HSLAN_4L60E_OUT+
Power Moding/Serial Data
BCM
Page - Pwr Mode-6
REP_TCSS_V8_HI
AU
Engine Controls
ECM
Page - V8-7
REP_TCSS_V6_HI
AU
Engine Controls
ECM
Page - V6-6

ARE16444
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:54:35 am 2
IEC/ESI

Transmission Controls: 4L60e/4L70e

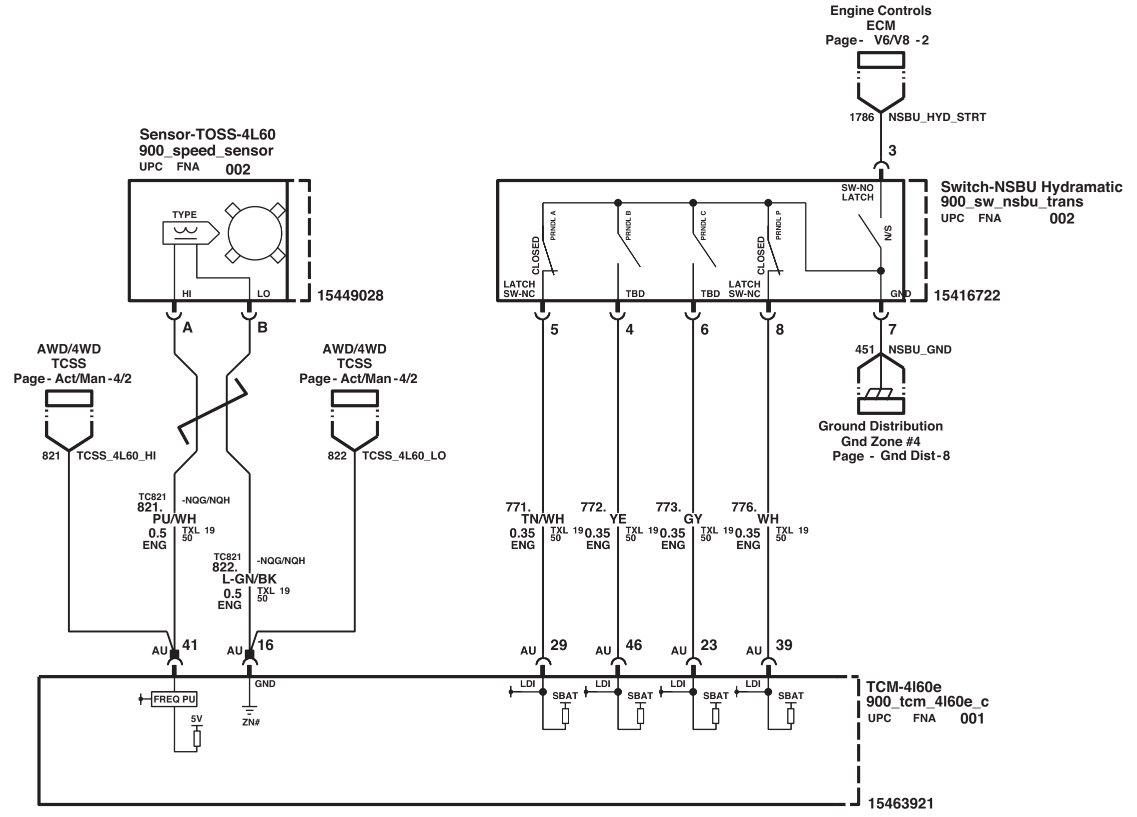
1_08_trans_tcm_4l60e Panel 1 of 3

Panel Set: 1

&M30/M70

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: 4L60E/4L70E


Engine Controls
ECM
Page - V6/V8 - 2
1786 NSBU_HYD_STRT
3
Sensor-TOSS-4L60
900_speed_sensor
UPC FNA 002
TYPE
HI
LO
15449028
A
B
SW-NO
LATCH
Switch-NSBU Hydramatic
900_sw_nsbu_trans
UPC FNA 002
PRNDL A
PRNDL B
PRNDL C
PRNDL P
CLOSED
CLOSED
N/S
LATCH
SW-NC
TBD
TBD
LATCH
SW-NC
GND
15416722
5
4
6
8
7
451 NSBU_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8
AWD/4WD
TCSS
Page - Act/Man - 4/2
AWD/4WD
TCSS
Page - Act/Man - 4/2
821 TCSS_4L60_HI
822 TCSS_4L60_LO
TC821
821.
-NQG/NQH
PU/WH
0.5
ENG
TXL 19
50
TC821
822.
-NQG/NQH
L-GN/BK
0.5
ENG
TXL 19
50
771.
TN/WH
0.35
ENG
TXL 19
50
772.
YE
0.35
ENG
TXL 19
50
773.
GY
0.35
ENG
TXL 19
50
776.
WH
0.35
ENG
TXL 19
50
AU 41
AU 16
AU 29
AU 46
AU 23
AU 39
FREQ PU
5V
GND
ZN#
LDI
SBAT
LDI
SBAT
LDI
SBAT
LDI
SBAT
TCM-4l60e
900_tcm_4l60e_c
UPC FNA 001
15463921

ARE16444
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:54:35 am 2
IEC/ESI

Transmission Controls: 4L60e/4L70e

1_08_trans_tcm_4l60e Panel 2 of 3

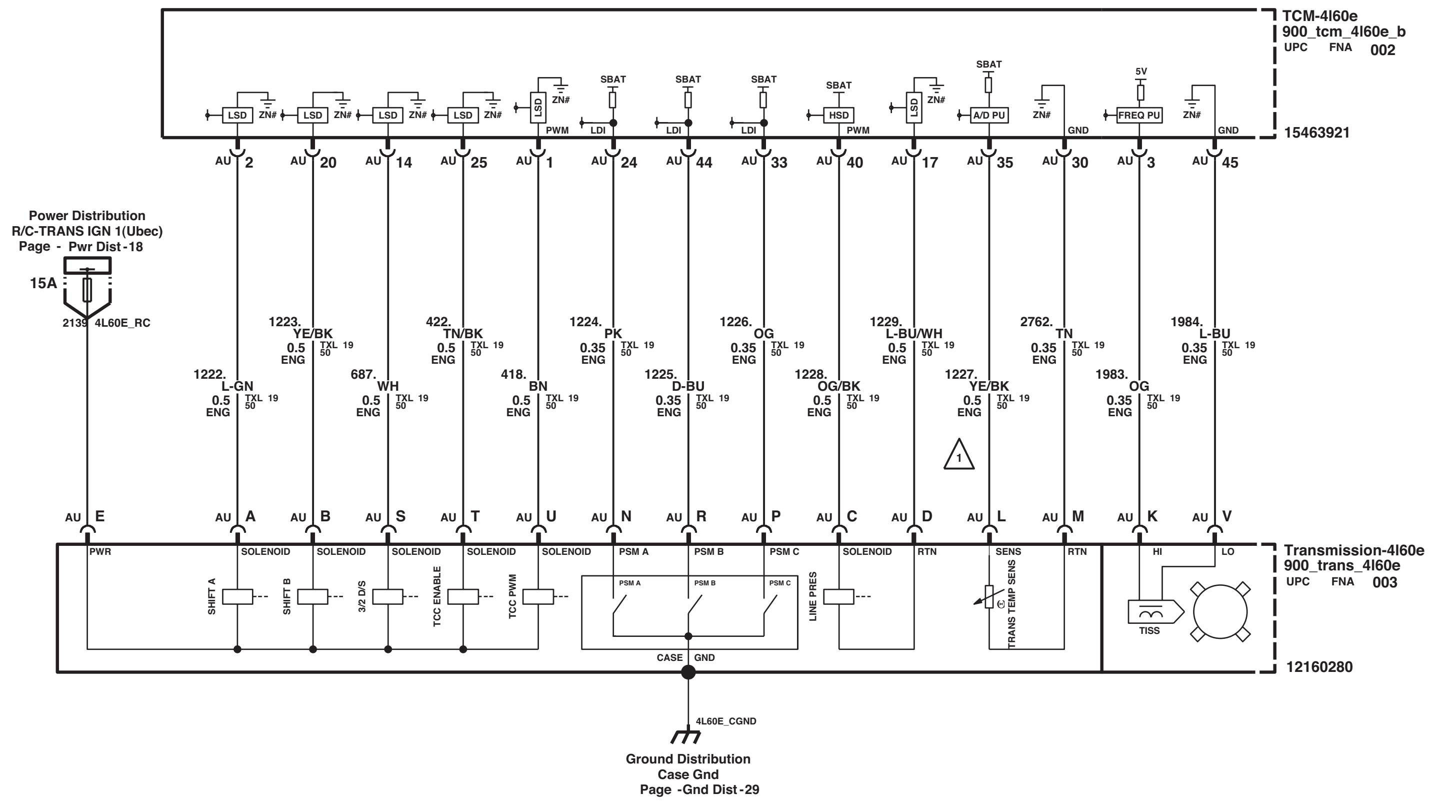
Panel Set: 2

&M30/M70

2008
GMT900
IVER

System Status: Object Status:

Transmission Controls: 4L60E/4L70E


TCM-4l60e
900_tcm_4l60e_b
UPC FNA 002
15463921
LSD
ZN#
PWM
SBAT
LDI
HSD
A/D PU
GND
5V
FREQ PU
AU 2
AU 20
AU 14
AU 25
AU 1
AU 24
AU 44
AU 33
AU 40
AU 17
AU 35
AU 30
AU 3
AU 45
Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
2139 4L60E_RC
1222. L-GN 0.5 ENG TXL 19 50
1223. YE/BK 0.5 ENG TXL 19 50
687. WH 0.5 ENG TXL 19 50
422. TN/BK 0.5 ENG TXL 19 50
418. BN 0.5 ENG TXL 19 50
1224. PK 0.35 ENG TXL 19 50
1225. D-BU 0.35 ENG TXL 19 50
1226. OG 0.35 ENG TXL 19 50
1228. OG/BK 0.5 ENG TXL 19 50
1229. L-BU/WH 0.5 ENG TXL 19 50
1227. YE/BK 0.5 ENG TXL 19 50
1
2762. TN 0.35 ENG TXL 19 50
1983. OG 0.35 ENG TXL 19 50
1984. L-BU 0.35 ENG TXL 19 50
AU E
AU A
AU B
AU S
AU T
AU U
AU N
AU R
AU P
AU C
AU D
AU L
AU M
AU K
AU V
PWR
SOLENOID
PSM A
PSM B
PSM C
RTN
SENS
HI
LO
SHIFT A
SHIFT B
3/2 D/S
TCC ENABLE
TCC PWM
LINE PRES
TRANS TEMP SENS
TISS
CASE GND
Transmission-4l60e
900_trans_4l60e
UPC FNA 003
12160280
4L60E_CGND
Ground Distribution
Case Gnd
Page -Gnd Dist-29

NOTES

- 1 – CIRCUIT 1227 UPSIZED BY PSDS, TO COMMONIZE CUT LEAD PROCESSING WITH CIRCUIT 1223

ARE16444
003
GMT900
GM Proprietary

Thursday, July 13, 2006
7:54:35 am 2
IEC/ESI

Transmission Controls: 4L60e/4L70e

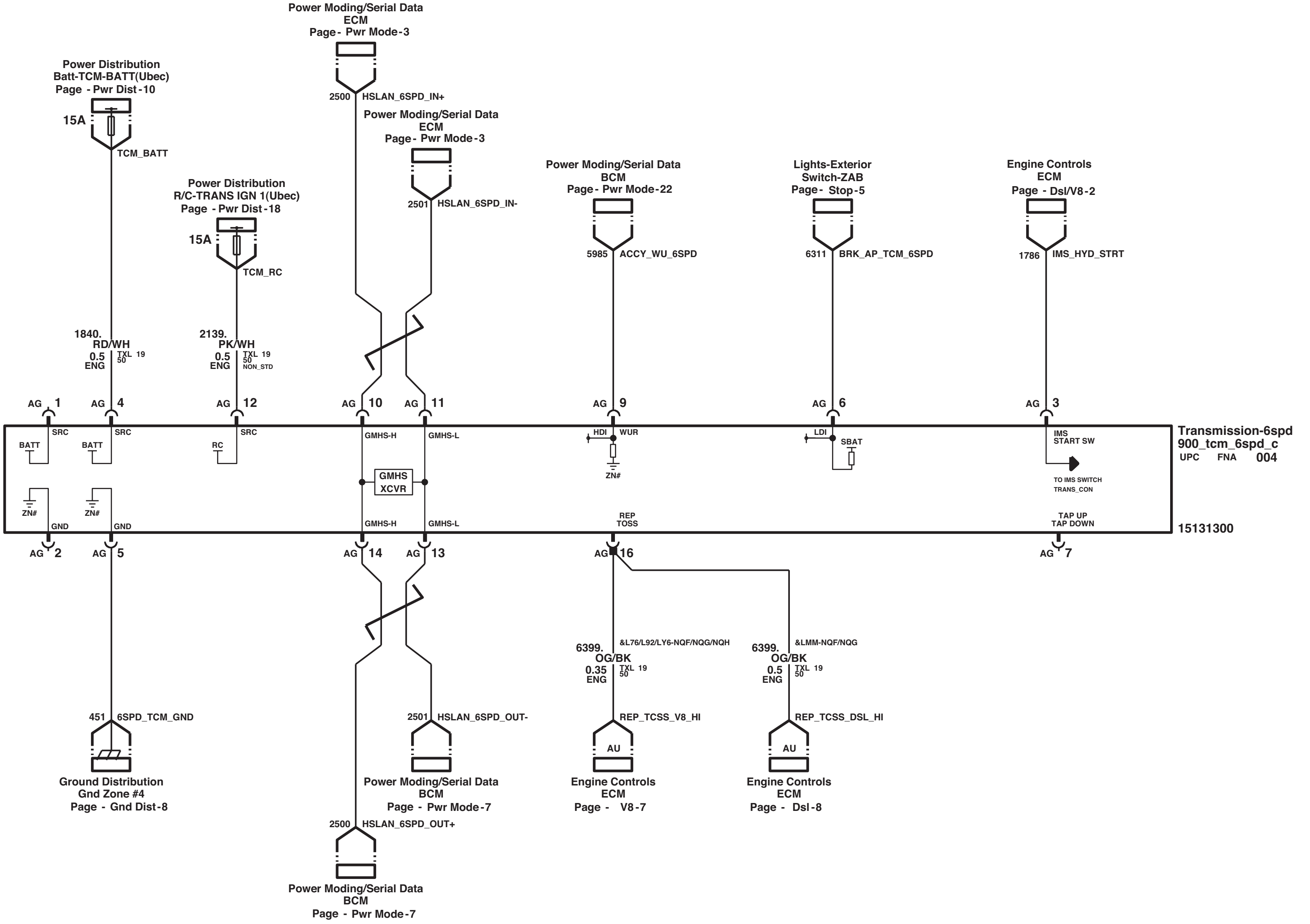
1_08_trans_tcm_4l60e Panel 3 of 3

Panel Set: 3

&M30/M70

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: 6L80/6L90


Power Moding/Serial Data
ECM
Page - Pwr Mode-3
2500 HSLAN_6SPD_IN+
Power Moding/Serial Data
ECM
Page - Pwr Mode-3
2501 HSLAN_6SPD_IN-
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
TCM_BATT
Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
TCM_RC
Power Moding/Serial Data
BCM
Page - Pwr Mode-22
5985 ACCY_WU_6SPD
Lights-Exterior
Switch-ZAB
Page - Stop-5
6311 BRK_AP_TCM_6SPD
Engine Controls
ECM
Page - Dsl/V8-2
1786 IMS_HYD_STRT
1840.
RD/WH
0.5 TXL 19
50
ENG
2139.
PK/WH
0.5 TXL 19
50
ENG NON_STD
AG 1
AG 4
AG 12
AG 10
AG 11
AG 9
AG 6
AG 3
SRC
BATT
SRC
BATT
SRC
RC
GMHS-H
GMHS-L
GMHS
XCVR
HDI
WUR
ZN#
LDI
SBAT
IMS
START SW
TO IMS SWITCH
TRANS_CON
ZN#
ZN#
GND
GND
GMHS-H
GMHS-L
REP
TOSS
TAP UP
TAP DOWN
Transmission-6spd
900_tcm_6spd_c
UPC FNA 004
15131300
AG 2
AG 5
AG 14
AG 13
AG 16
AG 7
6399.
OG/BK
0.35 TXL 19
50
ENG
&L76/L92/LY6-NQF/NQG/NQH
6399.
OG/BK
0.5 TXL 19
50
ENG
&LMM-NQF/NQG
451 6SPD_TCM_GND
2501 HSLAN_6SPD_OUT-
REP_TCSS_V8_HI
REP_TCSS_DSL_HI
AU
AU
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
Power Moding/Serial Data
BCM
Page - Pwr Mode-7
Engine Controls
ECM
Page - V8-7
Engine Controls
ECM
Page - Dsl-8
2500 HSLAN_6SPD_OUT+
Power Moding/Serial Data
BCM
Page - Pwr Mode-7

N

ARE16446
003
GMT900
GM Proprietary

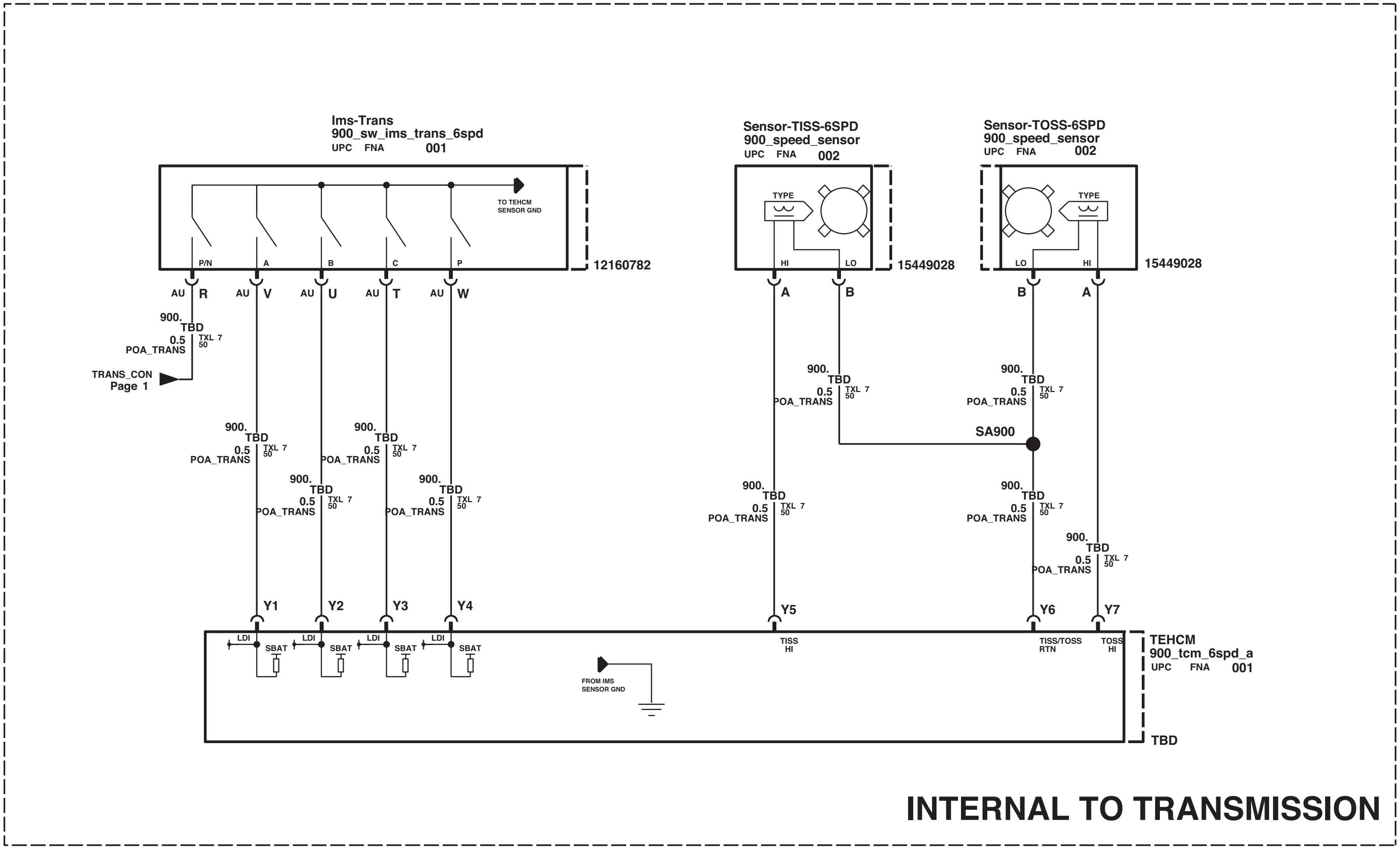
Tuesday, September 19, 2006
9:19:36 am 3
IEC/ESI

Transmission Controls: 6L80/6L90

1_08_trans_tcm_6spd Panel 1 of 3 Panel Set: 1 &MYC/MYD

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: 6L80/6L90


Ims-Trans
900_sw_ims_trans_6spd
UPC FNA 001
TO TEHCM SENSOR GND
P/N
A
B
C
P
12160782
AU R
AU V
AU U
AU T
AU W
900. TBD 0.5 TXL 7 50 POA_TRANS
TRANS_CON Page 1
Sensor-TISS-6SPD
900_speed_sensor
UPC FNA 002
TYPE
HI
LO
15449028
A
B
Sensor-TOSS-6SPD
900_speed_sensor
UPC FNA 002
TYPE
LO
HI
15449028
B
A
SA900
Y1
Y2
Y3
Y4
Y5
Y6
Y7
LDI
SBAT
FROM IMS SENSOR GND
TISS HI
TISS/TOSS RTN
TOSS HI
TEHCM
900_tcm_6spd_a
UPC FNA 001
TBD
INTERNAL TO TRANSMISSION

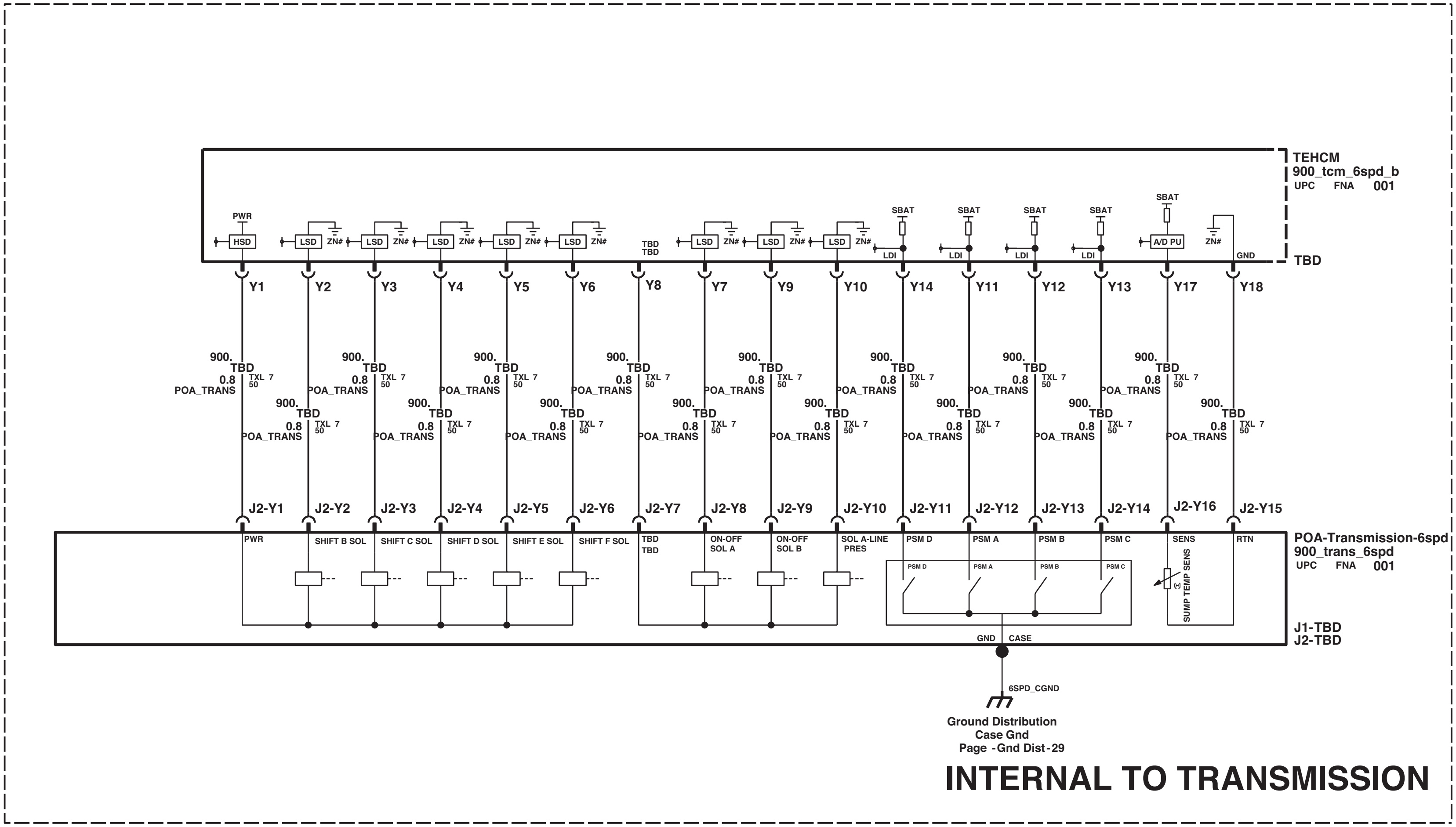
ARE16446
003
GMT900
GM Proprietary

Tuesday, September 19, 2006
9:19:36 am 3
IEC/ESI

Transmission Controls: 6L80/6L90
1_08_trans_tcm_6spd Panel 2 of 3
Panel Set: 2
&MYC/MYD

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: 6L80/6L90


TEHCM
900_tcm_6spd_b
UPC FNA 001
TBD
PWR
HSD
LSD
ZN#
TBD TBD
SBAT
LDI
A/D PU
GND
Y1
Y2
Y3
Y4
Y5
Y6
Y8
Y7
Y9
Y10
Y14
Y11
Y12
Y13
Y17
Y18
900. TBD 0.8 TXL 7 50 POA_TRANS
J2-Y1
J2-Y2
J2-Y3
J2-Y4
J2-Y5
J2-Y6
J2-Y7
J2-Y8
J2-Y9
J2-Y10
J2-Y11
J2-Y12
J2-Y13
J2-Y14
J2-Y16
J2-Y15
PWR
SHIFT B SOL
SHIFT C SOL
SHIFT D SOL
SHIFT E SOL
SHIFT F SOL
TBD TBD
ON-OFF SOL A
ON-OFF SOL B
SOL A-LINE PRES
PSM D
PSM A
PSM B
PSM C
SENS
RTN
SUMP TEMP SENS
POA-Transmission-6spd
900_trans_6spd
UPC FNA 001
J1-TBD
J2-TBD
GND CASE
6SPD_CGND
Ground Distribution
Case Gnd
Page -Gnd Dist-29
INTERNAL TO TRANSMISSION

ARE16446
003
GMT900
GM Proprietary

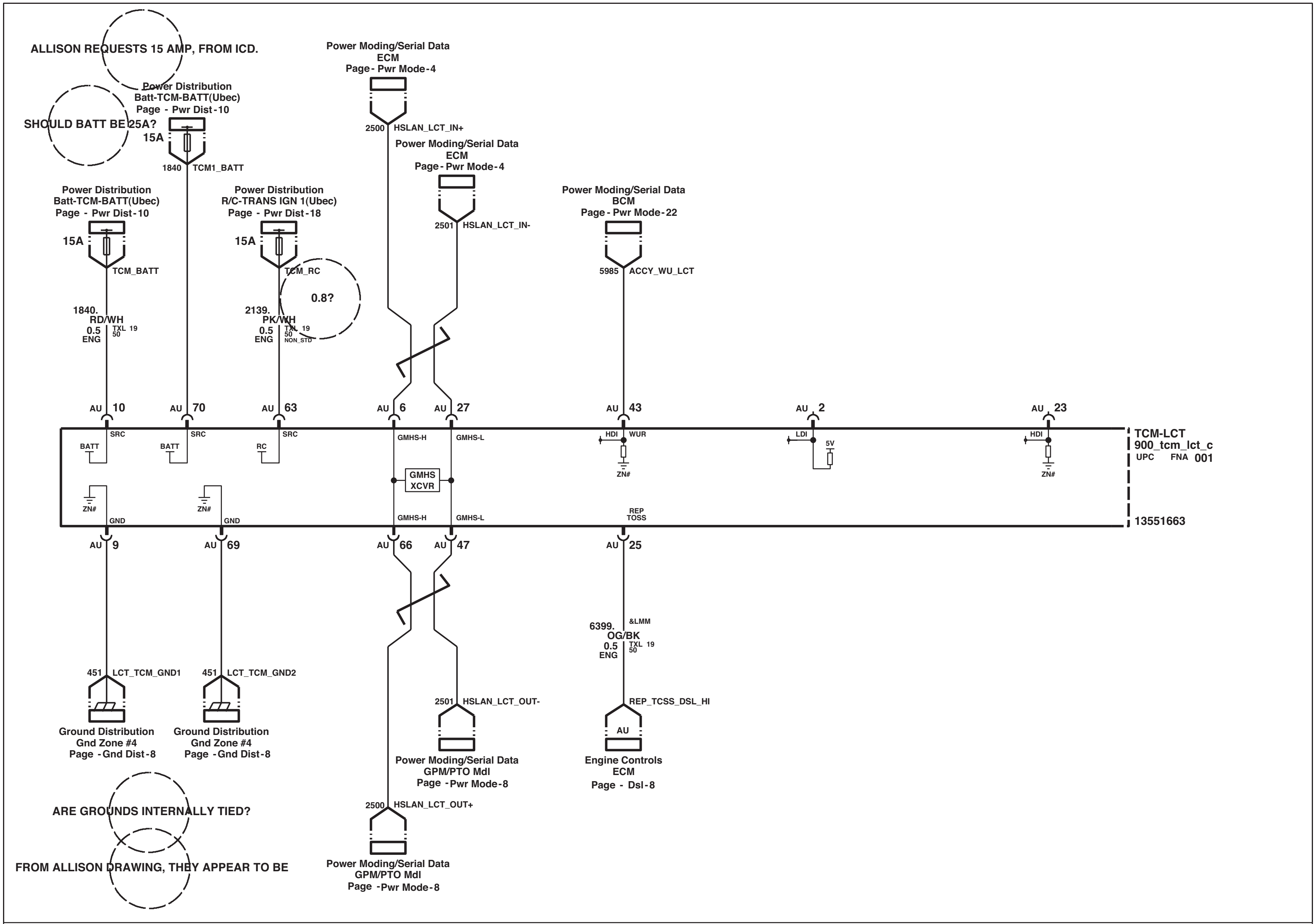
Tuesday, September 19, 2006
9:19:36 am 3
IEC/ESI

Transmission Controls: 6L80/6L90

1_08_trans_tcm_6spd Panel 3 of 3 Panel Set: 3 &MYC/MYD

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Allison LCT


ALLISON REQUESTS 15 AMP, FROM ICD.
SHOULD BATT BE 25A?
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
1840 TCM1_BATT
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
TCM_BATT
1840.
RD/WH
0.5 TXL 19 50
ENG
Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
TCM_RC
0.8?
2139.
PK/WH
0.5 TXL 19 50 NON_STD
ENG
Power Moding/Serial Data
ECM
Page- Pwr Mode-4
2500 HSLAN_LCT_IN+
Power Moding/Serial Data
ECM
Page- Pwr Mode-4
2501 HSLAN_LCT_IN-
Power Moding/Serial Data
BCM
Page- Pwr Mode-22
5985 ACCY_WU_LCT
AU 10
AU 70
AU 63
AU 6
AU 27
AU 43
AU 2
AU 23
SRC
BATT
SRC
BATT
SRC
RC
GMHS-H
GMHS-L
HDI
WUR
ZN#
LDI
5V
HDI
ZN#
GMHS
XCVR
TCM-LCT
900_tcm_lct_c
UPC FNA 001
13551663
ZN#
GND
ZN#
GND
GMHS-H
GMHS-L
REP
TOSS
AU 9
AU 69
AU 66
AU 47
AU 25
6399.
&LMM
OG/BK
0.5 TXL 19 50
ENG
451 LCT_TCM_GND1
451 LCT_TCM_GND2
Ground Distribution
Gnd Zone #4
Page -Gnd Dist-8
Ground Distribution
Gnd Zone #4
Page -Gnd Dist-8
2501 HSLAN_LCT_OUT-
Power Moding/Serial Data
GPM/PTO Mdl
Page -Pwr Mode-8
REP_TCSS_DSL_HI
AU
Engine Controls
ECM
Page - Dsl-8
2500 HSLAN_LCT_OUT+
Power Moding/Serial Data
GPM/PTO Mdl
Page -Pwr Mode-8
ARE GROUNDS INTERNALLY TIED?
FROM ALLISON DRAWING, THEY APPEAR TO BE

ARE16448
003
GMT900
GM Proprietary

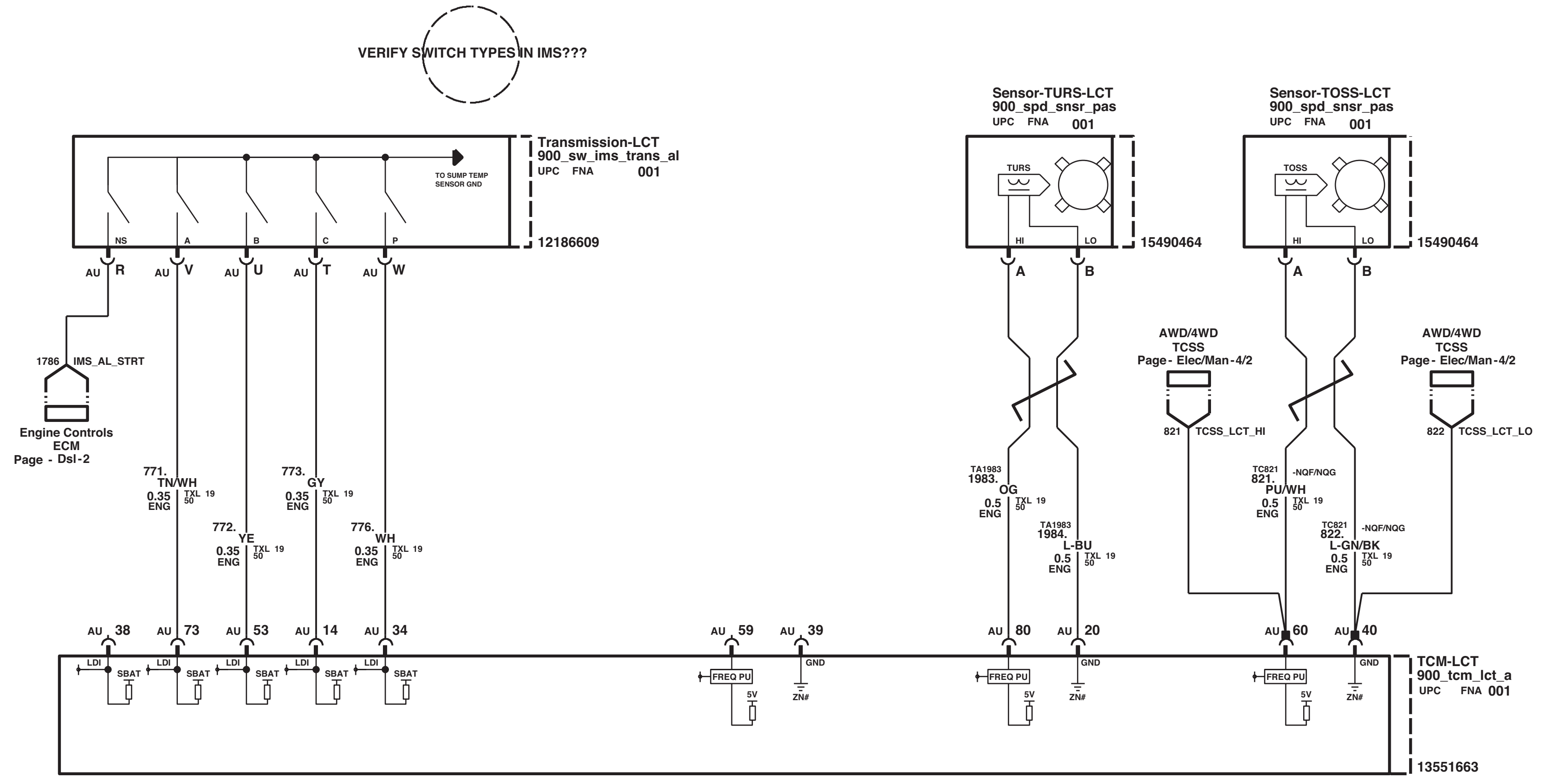
Thursday, November 16, 2006
8:52:36 am 9
IEC/ESI

Transmission Controls: Allison Lct

1_08_trans_tcm_lct Panel 1 of 3 Panel Set: 1 &MW7

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Allison LCT


VERIFY SWITCH TYPES IN IMS???
Transmission-LCT
900_sw_ims_trans_al
UPC FNA 001
TO SUMP TEMP SENSOR GND
NS
A
B
C
P
12186609
AU R
AU V
AU U
AU T
AU W
1786 IMS_AL_STRT
Engine Controls
ECM
Page - Dsl-2
771. TN/WH 0.35 ENG TXL 19 50
772. YE 0.35 ENG TXL 19 50
773. GY 0.35 ENG TXL 19 50
776. WH 0.35 ENG TXL 19 50
Sensor-TURS-LCT
900_spd_snsr_pas
UPC FNA 001
TURS
HI
LO
15490464
Sensor-TOSS-LCT
900_spd_snsr_pas
UPC FNA 001
TOSS
HI
LO
15490464
AU A
AU B
AWD/4WD
TCSS
Page - Elec/Man-4/2
821 TCSS_LCT_HI
822 TCSS_LCT_LO
TA1983 1983. OG 0.5 ENG TXL 19 50
TA1983 1984. L-BU 0.5 ENG TXL 19 50
TC821 821. -NQF/NQG PU/WH 0.5 ENG TXL 19 50
TC821 822. -NQF/NQG L-GN/BK 0.5 ENG TXL 19 50
AU 38
AU 73
AU 53
AU 14
AU 34
AU 59
AU 39
AU 80
AU 20
AU 60
AU 40
LDI
SBAT
FREQ PU
5V
GND
ZN#
TCM-LCT
900_tcm_lct_a
UPC FNA 001
13551663

ARE16448
003
GMT900
GM Proprietary

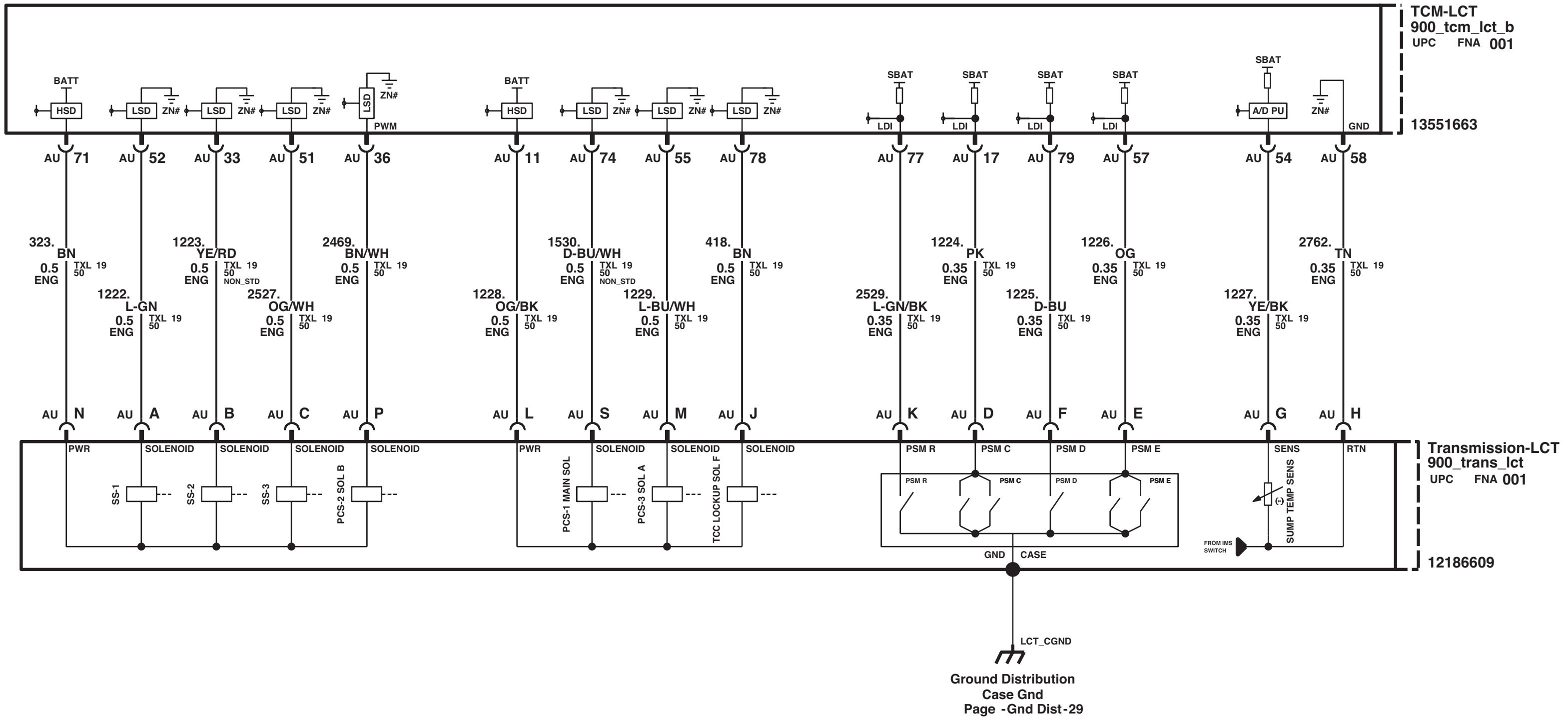
Thursday, November 16, 2006
8:52:36 am 9
IEC/ESI

Transmission Controls: Allison Lct

1_08_trans_tcm_lct Panel 2 of 3 Panel Set: 2 &MW7

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Allison LCT


TCM-LCT
900_tcm_lct_b
UPC FNA 001
13551663
BATT
HSD
LSD
ZN#
PWM
SBAT
LDI
A/D PU
GND
AU 71
AU 52
AU 33
AU 51
AU 36
AU 11
AU 74
AU 55
AU 78
AU 77
AU 17
AU 79
AU 57
AU 54
AU 58
323. BN 0.5 ENG TXL 19 50
1222. L-GN 0.5 ENG TXL 19 50
1223. YE/RD 0.5 ENG TXL 19 50 NON_STD
2527. OG/WH 0.5 ENG TXL 19 50
2469. BN/WH 0.5 ENG TXL 19 50
1228. OG/BK 0.5 ENG TXL 19 50
1530. D-BU/WH 0.5 ENG TXL 19 50 NON_STD
1229. L-BU/WH 0.5 ENG TXL 19 50
418. BN 0.5 ENG TXL 19 50
2529. L-GN/BK 0.35 ENG TXL 19 50
1224. PK 0.35 ENG TXL 19 50
1225. D-BU 0.35 ENG TXL 19 50
1226. OG 0.35 ENG TXL 19 50
1227. YE/BK 0.35 ENG TXL 19 50
2762. TN 0.35 ENG TXL 19 50
AU N
AU A
AU B
AU C
AU P
AU L
AU S
AU M
AU J
AU K
AU D
AU F
AU E
AU G
AU H
PWR
SOLENOID
PSM R
PSM C
PSM D
PSM E
SENS
RTN
SS-1
SS-2
SS-3
PCS-2 SOL B
PCS-1 MAIN SOL
PCS-3 SOL A
TCC LOCKUP SOL F
FROM IMS SWITCH
SUMP TEMP SENS
GND CASE
Transmission-LCT
900_trans_lct
UPC FNA 001
12186609
LCT_CGND
Ground Distribution
Case Gnd
Page -Gnd Dist-29

NOTES

- 1 – MIL REQUEST & 4WD LO SIGNALS ASSUMED GMLAN

ARE16448
003
GMT900
GM Proprietary

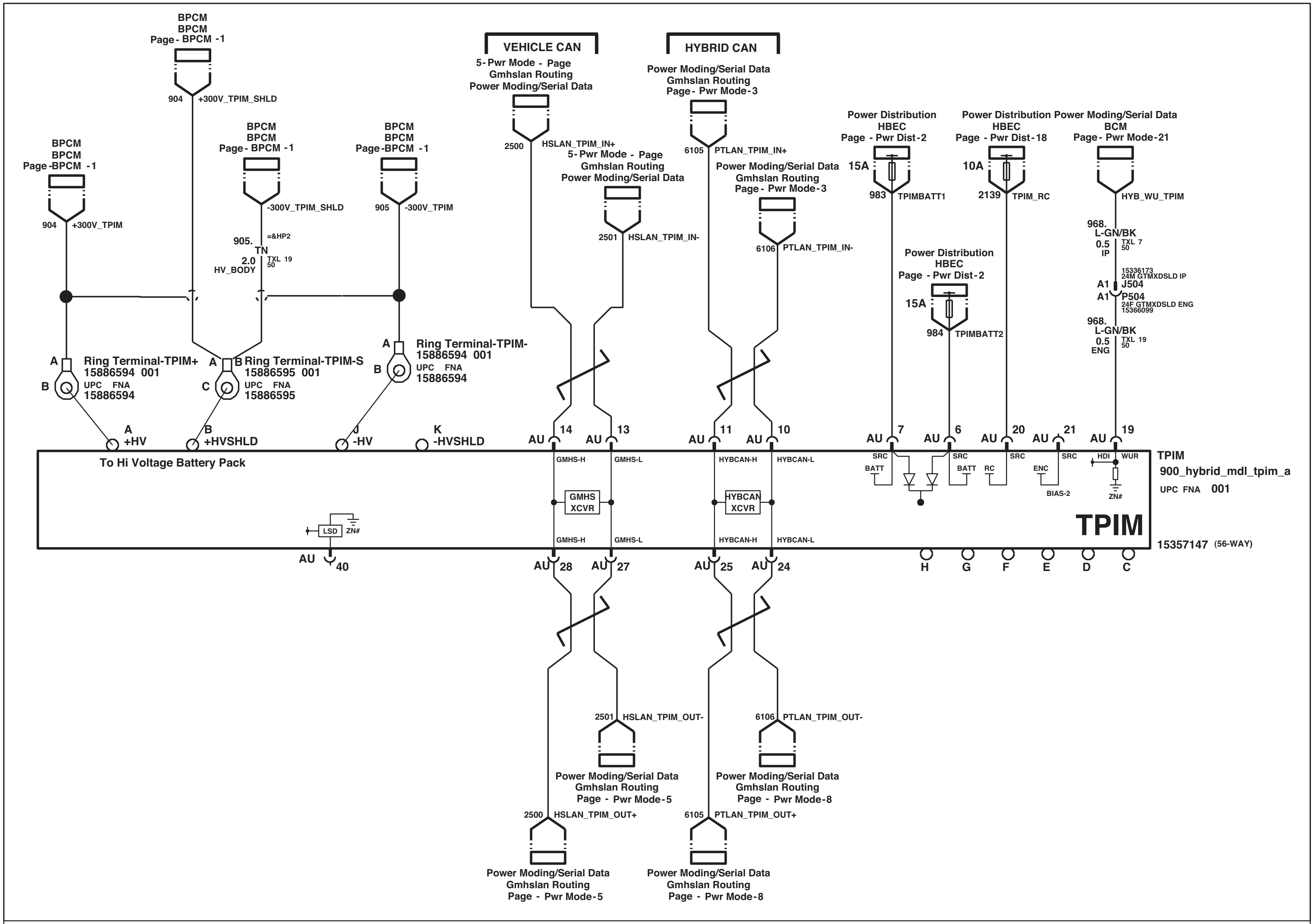
Thursday, November 16, 2006
8:52:36 am 9
IEC/ESI

Transmission Controls: Allison Lct

1_08_trans_tcm_lct Panel 3 of 3 Panel Set: 3 &MW7

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid


BPCM
BPCM
Page - BPCM -1
904 +300V_TPIM_SHLD
904 +300V_TPIM
-300V_TPIM_SHLD
905 -300V_TPIM
905. =&HP2
TN
2.0 TXL 19 50
HV_BODY
A Ring Terminal-TPIM+ 15886594 001
B UPC FNA 15886594
A B Ring Terminal-TPIM-S 15886595 001
C UPC FNA 15886595
A Ring Terminal-TPIM- 15886594 001
B UPC FNA 15886594
A +HV
B +HVSHLD
J -HV
K -HVSHLD
To Hi Voltage Battery Pack
LSD
ZN#
AU 40
VEHICLE CAN
5-Pwr Mode - Page Gmhslan Routing Power Moding/Serial Data
2500 HSLAN_TPIM_IN+
2501 HSLAN_TPIM_IN-
HYBRID CAN
Power Moding/Serial Data Gmhslan Routing Page - Pwr Mode-3
6105 PTLAN_TPIM_IN+
6106 PTLAN_TPIM_IN-
AU 14
AU 13
AU 11
AU 10
GMHS-H
GMHS-L
GMHS XCVR
HYBCAN-H
HYBCAN-L
HYBCAN XCVR
AU 28
AU 27
AU 25
AU 24
2501 HSLAN_TPIM_OUT-
6106 PTLAN_TPIM_OUT-
Power Moding/Serial Data Gmhslan Routing Page - Pwr Mode-5
Power Moding/Serial Data Gmhslan Routing Page - Pwr Mode-8
2500 HSLAN_TPIM_OUT+
6105 PTLAN_TPIM_OUT+
Power Distribution HBEC Page - Pwr Dist-2
15A
983 TPIMBATT1
Power Distribution HBEC Page - Pwr Dist-18
10A
2139 TPIM_RC
Power Moding/Serial Data BCM Page - Pwr Mode-21
HYB_WU_TPIM
968. L-GN/BK 0.5 IP TXL 7 50
15336173 24M GTMXDSLD IP
A1 J504
A1 P504
24F GTMXDSLD ENG 15366099
968. L-GN/BK 0.5 ENG TXL 19 50
Power Distribution HBEC Page - Pwr Dist-2
15A
984 TPIMBATT2
AU 7
AU 6
AU 20
AU 21
AU 19
SRC BATT
SRC BATT RC
SRC
ENC BIAS-2
SRC
HDI WUR
ZN#
TPIM
900_hybrid_mdl_tpim_a
UPC FNA 001
TPIM
15357147 (56-WAY)
H G F E D C

ARE82078
004
GMT900
GM Proprietary

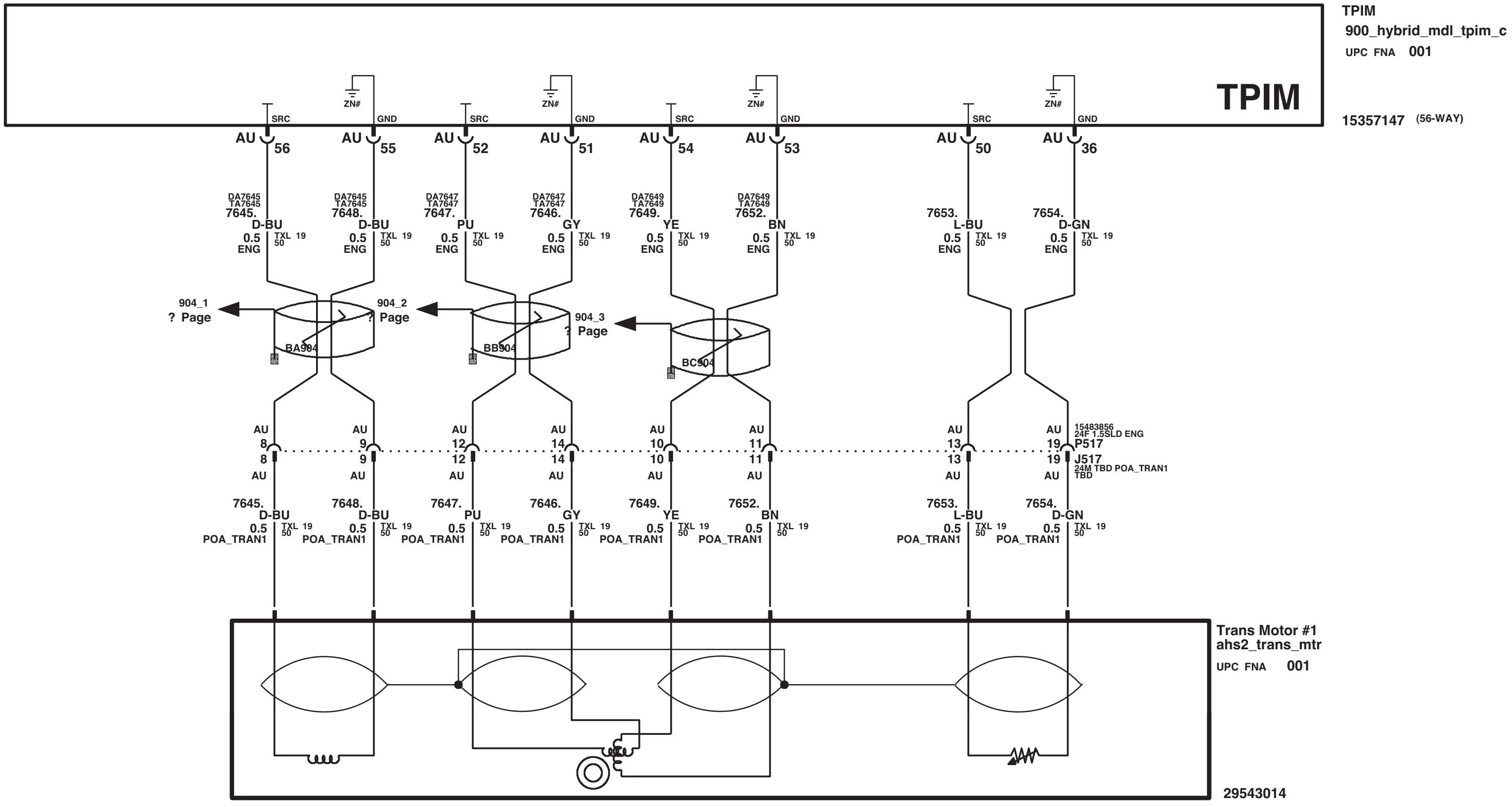
Wednesday, November 15, 2006
2:51:08 pm 37
IEC/ESI

Transmission: Controls
Hybrid
TR01 Panel 1 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid


TPIM
900_hybrid_mdl_tpim_c
UPC FNA 001
TPIM
15357147 (56-WAY)
SRC
GND
ZN#
AU 56
AU 55
AU 52
AU 51
AU 54
AU 53
AU 50
AU 36
DA7645 TA7645 7645. D-BU 0.5 ENG TXL 19 50
DA7645 TA7645 7648. D-BU 0.5 ENG TXL 19 50
DA7647 TA7647 7647. PU 0.5 ENG TXL 19 50
DA7647 TA7647 7646. GY 0.5 ENG TXL 19 50
DA7649 TA7649 7649. YE 0.5 ENG TXL 19 50
DA7649 TA7649 7652. BN 0.5 ENG TXL 19 50
7653. L-BU 0.5 ENG TXL 19 50
7654. D-GN 0.5 ENG TXL 19 50
904_1 ? Page
904_2 ? Page
904_3 ? Page
BA904
BB904
BC904
AU 8 8 AU
AU 9 9 AU
AU 12 12 AU
AU 14 14 AU
AU 10 10 AU
AU 11 11 AU
AU 13 13 AU
AU 19 19 AU
15483856 24F 1.5SLD ENG P517
J517 24M TBD POA_TRAN1 TBD
7645. D-BU 0.5 POA_TRAN1 TXL 19 50
7648. D-BU 0.5 POA_TRAN1 TXL 19 50
7647. PU 0.5 POA_TRAN1 TXL 19 50
7646. GY 0.5 POA_TRAN1 TXL 19 50
7649. YE 0.5 POA_TRAN1 TXL 19 50
7652. BN 0.5 POA_TRAN1 TXL 19 50
7653. L-BU 0.5 POA_TRAN1 TXL 19 50
7654. D-GN 0.5 POA_TRAN1 TXL 19 50
Trans Motor #1
ahs2_trans_mtr
UPC FNA 001
29543014

ARE82078
004
GMT900
GM Proprietary

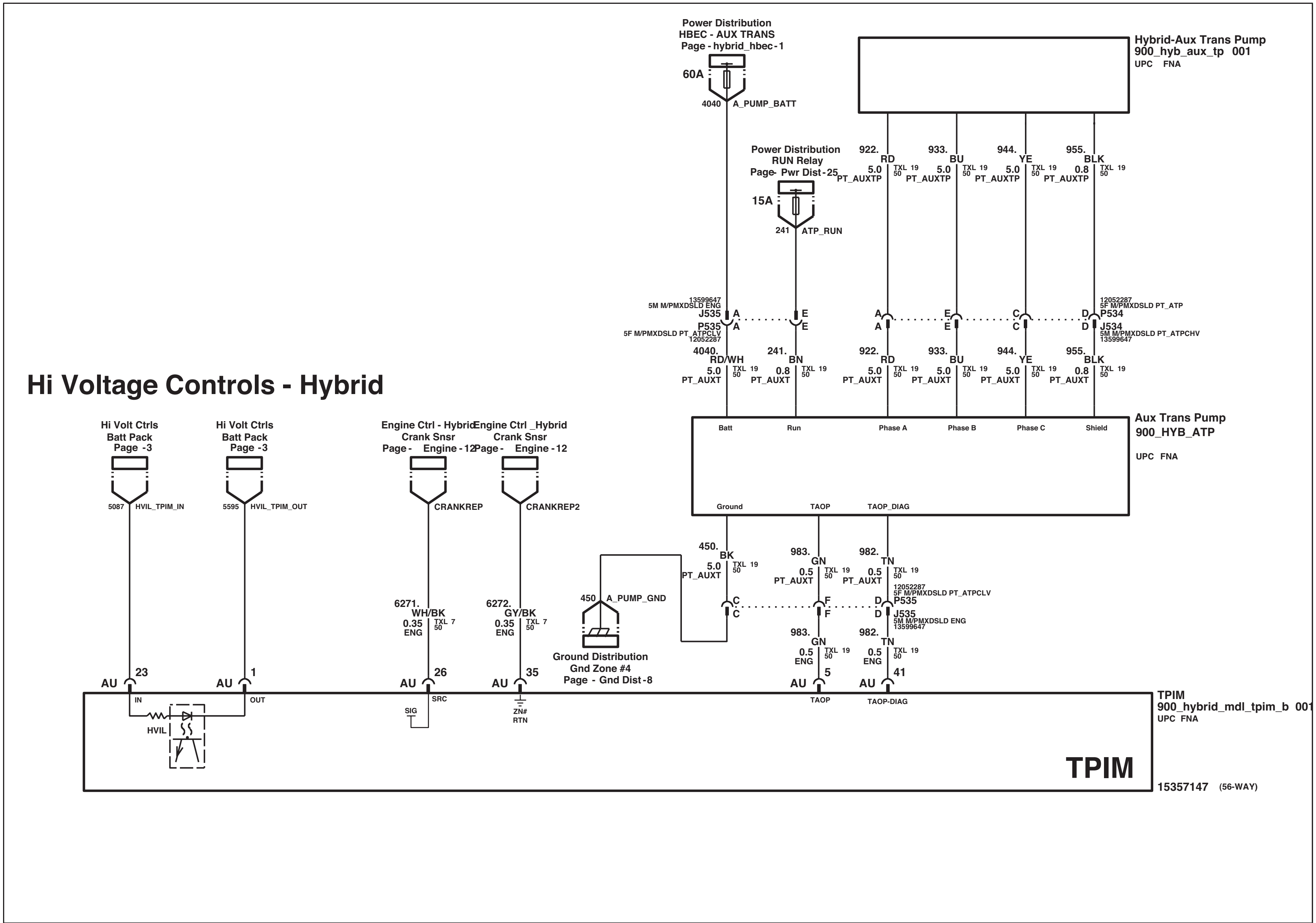
Wednesday, November 15, 2006
2:51:08 pm 37
IEC/ESI

Transmission: Controls
Hybrid
TR01 Panel 2 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid


Power Distribution
HBEC - AUX TRANS
Page - hybrid_hbec - 1
60A
4040 A_PUMP_BATT
Hybrid-Aux Trans Pump
900_hyb_aux_tp 001
UPC FNA
Power Distribution
RUN Relay
Page - Pwr Dist - 25
15A
241 ATP_RUN
922. RD 5.0 TXL 19 50 PT_AUXTP
933. BU 5.0 TXL 19 50 PT_AUXTP
944. YE 5.0 TXL 19 50 PT_AUXTP
955. BLK 0.8 TXL 19 50 PT_AUXTP
13599647 5M M/PMXDSLD ENG J535
P535 5F M/PMXDSLD PT_ATPCLV 12052287
12052287 5F M/PMXDSLD PT_ATP P534
J534 5M M/PMXDSLD PT_ATPCHV 13599647
A E A E C D
4040. RD/WH 5.0 TXL 19 50 PT_AUXT
241. BN 0.8 TXL 19 50 PT_AUXT
922. RD 5.0 TXL 19 50 PT_AUXT
933. BU 5.0 TXL 19 50 PT_AUXT
944. YE 5.0 TXL 19 50 PT_AUXT
955. BLK 0.8 TXL 19 50 PT_AUXT
Hi Voltage Controls - Hybrid
Aux Trans Pump
900_HYB_ATP
UPC FNA
Batt Run Phase A Phase B Phase C Shield
Ground TAOP TAOP_DIAG
Hi Volt Ctrls Batt Pack Page - 3
5087 HVIL_TPIM_IN
5595 HVIL_TPIM_OUT
Engine Ctrl - Hybrid Crank Snsr Page - Engine - 12
CRANKREP
Engine Ctrl _Hybrid Crank Snsr Page - Engine - 12
CRANKREP2
450. BK 5.0 TXL 19 50 PT_AUXT
983. GN 0.5 TXL 19 50 PT_AUXT
982. TN 0.5 TXL 19 50 PT_AUXT
12052287 5F M/PMXDSLD PT_ATPCLV P535
J535 5M M/PMXDSLD ENG 13599647
C F D
450 A_PUMP_GND
Ground Distribution
Gnd Zone #4
Page - Gnd Dist - 8
6271. WH/BK 0.35 TXL 7 50 ENG
6272. GY/BK 0.35 TXL 7 50 ENG
983. GN 0.5 TXL 19 50 ENG
982. TN 0.5 TXL 19 50 ENG
AU 23 AU 1 AU 26 AU 35 AU 5 AU 41
IN OUT SIG SRC ZN# RTN TAOP TAOP-DIAG
HVIL
TPIM
900_hybrid_mdl_tpim_b 001
UPC FNA
TPIM
15357147 (56-WAY)

ARE82078
004
GMT900
GM Proprietary

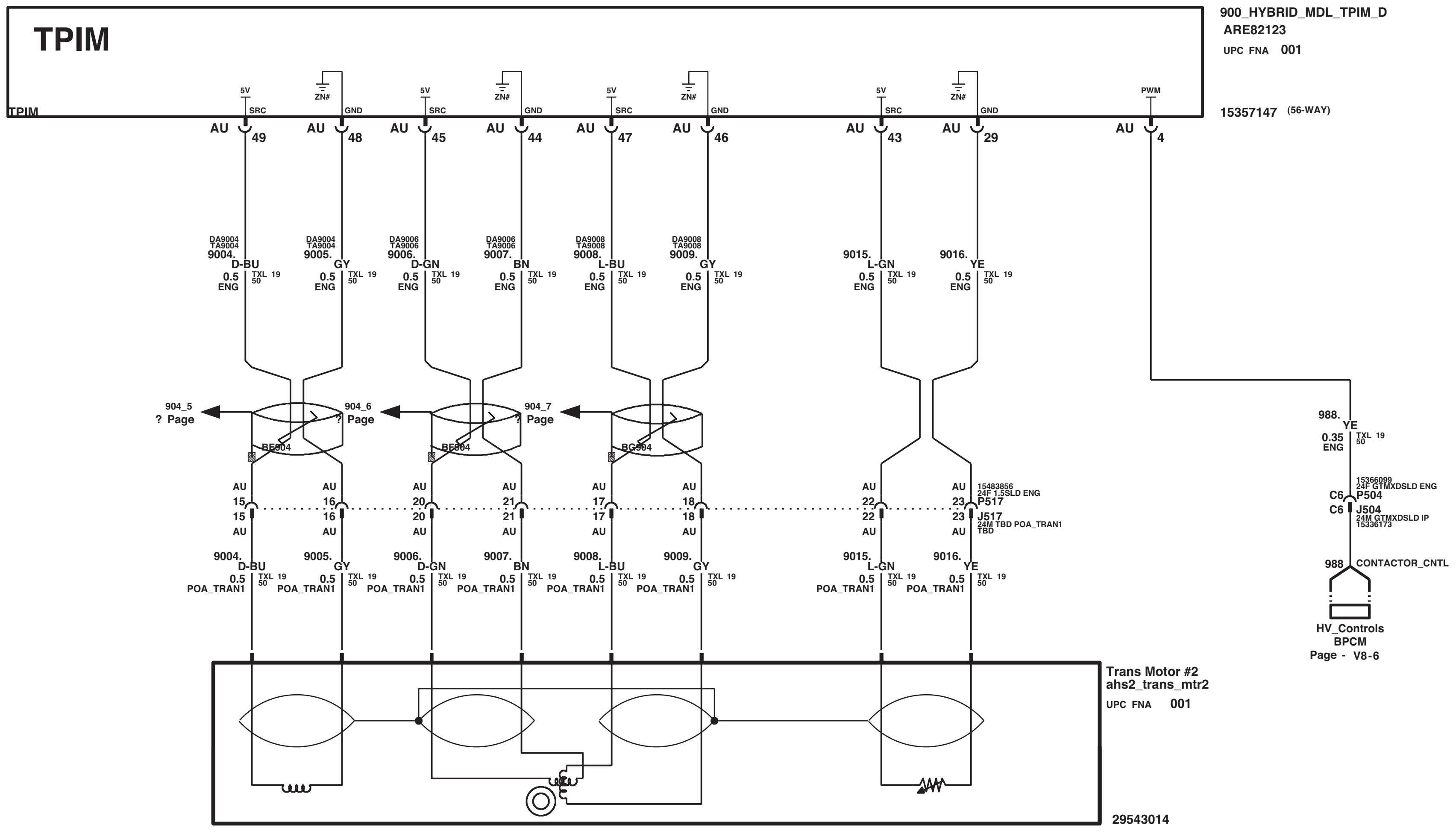
Wednesday, November 15, 2006
2:51:08 pm 37
IEC/ESI

Transmission: Controls
Hybrid
TR01 Panel 3 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid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5V
SRC
ZN#
GND
PWM
AU 49
AU 48
AU 45
AU 44
AU 47
AU 46
AU 43
AU 29
AU 4
DA9004 TA9004 9004. D-BU 0.5 ENG TXL 19 50
DA9004 TA9004 9005. GY 0.5 ENG TXL 19 50
DA9006 TA9006 9006. D-GN 0.5 ENG TXL 19 50
DA9006 TA9006 9007. BN 0.5 ENG TXL 19 50
DA9008 TA9008 9008. L-BU 0.5 ENG TXL 19 50
DA9008 TA9008 9009. GY 0.5 ENG TXL 19 50
9015. L-GN 0.5 ENG TXL 19 50
9016. YE 0.5 ENG TXL 19 50
904_5 ? Page
904_6 ? Page
904_7 ? Page
BE904
BF904
BG904
AU 15 15 AU
AU 16 16 AU
AU 20 20 AU
AU 21 21 AU
AU 17 17 AU
AU 18 18 AU
AU 22 22 AU
AU 23 23 AU
15483856 24F 1.5SLD ENG P517
J517 24M TBD POA_TRAN1 TBD
9004. D-BU 0.5 POA_TRAN1 TXL 19 50
9005. GY 0.5 POA_TRAN1 TXL 19 50
9006. D-GN 0.5 POA_TRAN1 TXL 19 50
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9008. L-BU 0.5 POA_TRAN1 TXL 19 50
9009. GY 0.5 POA_TRAN1 TXL 19 50
9015. L-GN 0.5 POA_TRAN1 TXL 19 50
9016. YE 0.5 POA_TRAN1 TXL 19 50
988. YE 0.35 ENG TXL 19 50
15366099 24F GTMXDSLD ENG
C6 P504
C6 J504
24M GTMXDSLD IP 15336173
988 CONTACTOR_CNTL
HV_Controls
BPCM
Page - V8-6
Trans Motor #2
ahs2_trans_mtr2
UPC FNA 001
29543014

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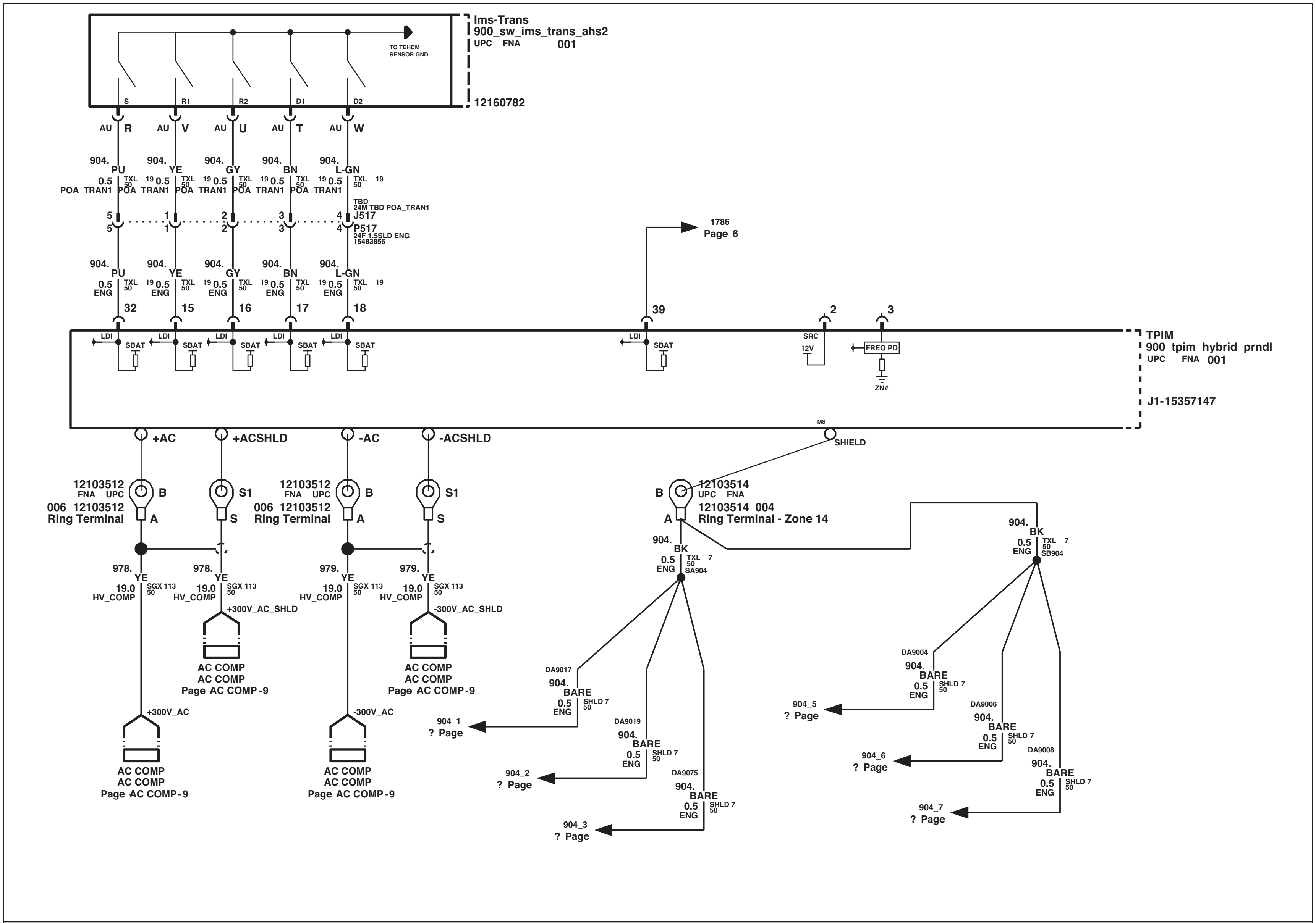
IEC/ESI

Transmission: Controls
Hybrid
TR01 Panel 4 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid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S
R1
R2
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D2
AU R
AU V
AU U
AU T
AU W
904. PU 0.5 TXL 50 19 POA_TRAN1
904. YE 0.5 TXL 50 19 POA_TRAN1
904. GY 0.5 TXL 50 19 POA_TRAN1
904. BN 0.5 TXL 50 19 POA_TRAN1
904. L-GN 0.5 TXL 50 19 POA_TRAN1
TBD
24M TBD POA_TRAN1
J517
P517
24F 1.5SLD ENG
15483856
904. PU 0.5 ENG TXL 50 19
904. YE 0.5 ENG TXL 50 19
904. GY 0.5 ENG TXL 50 19
904. BN 0.5 ENG TXL 50 19
904. L-GN 0.5 ENG TXL 50 19
32
15
16
17
18
39
2
3
1786
Page 6
LDI
SBAT
SRC
12V
FREQ PD
ZN#
TPIM
900_tpim_hybrid_prndl
UPC FNA 001
J1-15357147
M8
SHIELD
+AC
+ACSHLD
-AC
-ACSHLD
12103512 FNA UPC B
006 12103512 Ring Terminal A
S1
S
12103514 UPC FNA B
12103514 004 Ring Terminal - Zone 14 A
978. YE 19.0 HV_COMP SGX 113 50
979. YE 19.0 HV_COMP SGX 113 50
+300V_AC_SHLD
-300V_AC_SHLD
+300V_AC
-300V_AC
AC COMP
AC COMP
Page AC COMP-9
904. BK 0.5 ENG TXL 7 50 SA904
904. BK 0.5 ENG TXL 7 50 SB904
DA9017
DA9019
DA9075
DA9004
DA9006
DA9008
904. BARE 0.5 ENG SHLD 7 50
904_1 ? Page
904_2 ? Page
904_3 ? Page
904_5 ? Page
904_6 ? Page
904_7 ? Page

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GMT900
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Wednesday, November 15, 2006
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Transmission: Controls
Hybrid
TR01 Panel 5 of 8

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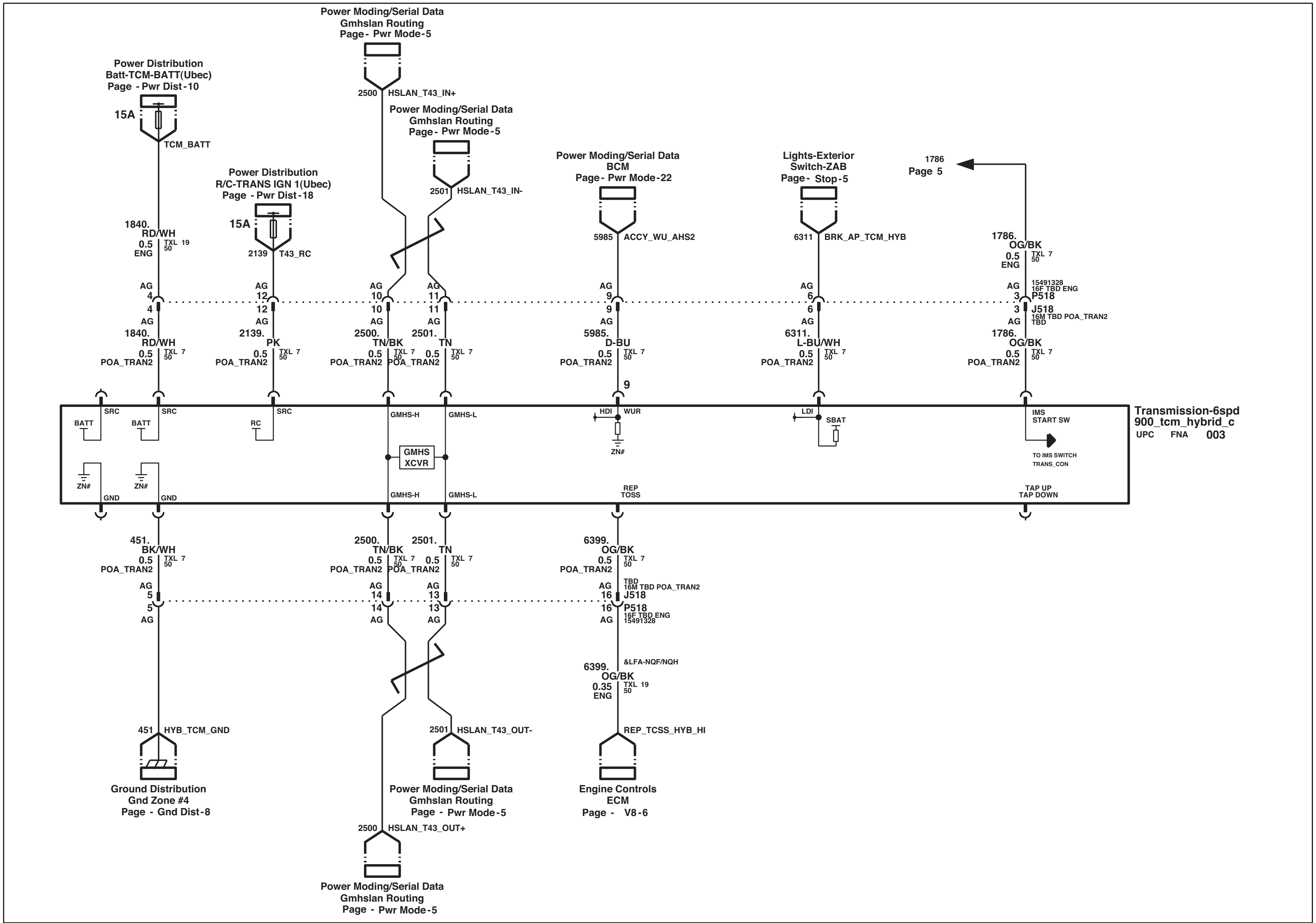
2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid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2500 HSLAN_T43_IN+
Power Distribution
Batt-TCM-BATT(Ubec)
Page - Pwr Dist-10
15A
TCM_BATT
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-5
2501 HSLAN_T43_IN-
Power Distribution
R/C-TRANS IGN 1(Ubec)
Page - Pwr Dist-18
15A
2139 T43_RC
Power Moding/Serial Data
BCM
Page - Pwr Mode-22
5985 ACCY_WU_AHS2
Lights-Exterior
Switch-ZAB
Page - Stop-5
6311 BRK_AP_TCM_HYB
1786
Page 5
1840. RD/WH 0.5 ENG TXL 19 50
1786. OG/BK 0.5 ENG TXL 7 50
AG 4 · AG 12 · AG 10 · AG 11 · AG 9 · AG 6 · AG 3
15491328 16F TBD ENG P518
J518 16M TBD POA_TRAN2 TBD
1840. RD/WH 0.5 POA_TRAN2 TXL 7 50
2139. PK 0.5 POA_TRAN2 TXL 7 50
2500. TN/BK 0.5 POA_TRAN2 TXL 7 50
2501. TN 0.5 POA_TRAN2 TXL 7 50
5985. D-BU 0.5 POA_TRAN2 TXL 7 50
9
6311. L-BU/WH 0.5 POA_TRAN2 TXL 7 50
1786. OG/BK 0.5 POA_TRAN2 TXL 7 50
SRC BATT · SRC BATT · SRC RC · GMHS-H · GMHS-L · HDI WUR · LDI SBAT · IMS START SW
GMHS XCVR
ZN#
TO IMS SWITCH TRANS_CON
GND · GND · GMHS-H · GMHS-L · REP TOSS · TAP UP TAP DOWN
Transmission-6spd
900_tcm_hybrid_c
UPC FNA 003
451. BK/WH 0.5 POA_TRAN2 TXL 7 50
2500. TN/BK 0.5 POA_TRAN2 TXL 7 50
2501. TN 0.5 POA_TRAN2 TXL 7 50
6399. OG/BK 0.5 POA_TRAN2 TXL 7 50
AG 5 · AG 14 · AG 13 · AG 16
TBD 16M TBD POA_TRAN2 J518
P518 16F TBD ENG 15491328
&LFA-NQF/NQH
6399. OG/BK 0.35 ENG TXL 19 50
451 HYB_TCM_GND
2501 HSLAN_T43_OUT-
REP_TCSS_HYB_HI
Ground Distribution
Gnd Zone #4
Page - Gnd Dist-8
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-5
Engine Controls
ECM
Page - V8-6
2500 HSLAN_T43_OUT+
Power Moding/Serial Data
Gmhslan Routing
Page - Pwr Mode-5

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004
GMT900
GM Proprietary

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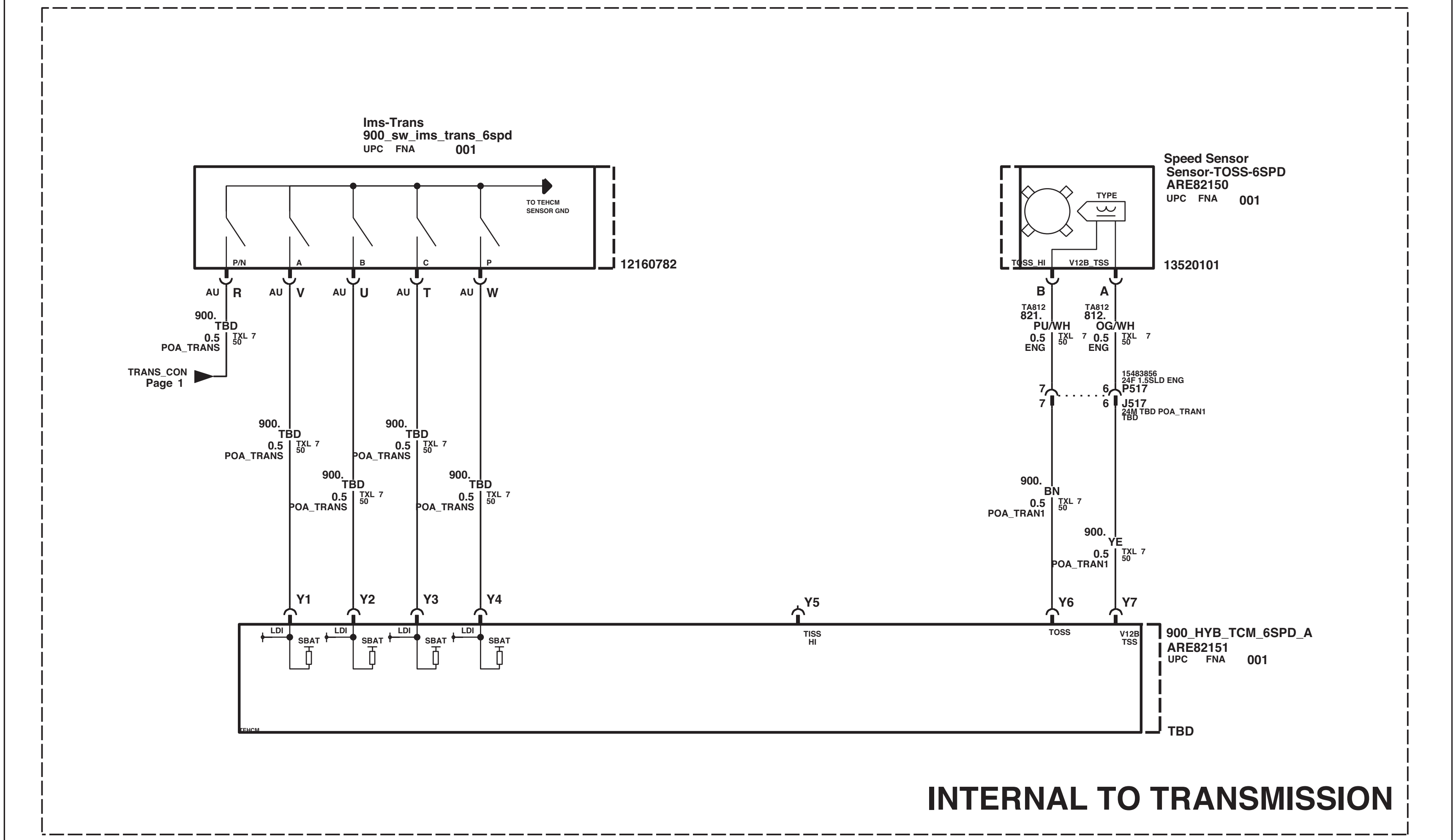
IEC/ESI

Transmission: Controls Hybrid

TR01 Panel 6 of 8 &M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid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TO TEHCM
SENSOR GND
P/N
A
B
C
P
12160782
AU R
AU V
AU U
AU T
AU W
900.
TBD
0.5 TXL 7
50
POA_TRANS
TRANS_CON
Page 1
Speed Sensor
Sensor-TOSS-6SPD
ARE82150
UPC FNA 001
TYPE
TOSS_HI
V12B_TSS
13520101
B
A
TA812
821.
PU/WH
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50
ENG
TA812
812.
OG/WH
0.5 TXL 7
50
ENG
15483856
24F 1.5SLD ENG
7 6 P517
7 6 J517
24M TBD POA_TRAN1
TBD
900.
BN
0.5 TXL 7
50
POA_TRAN1
900.
YE
0.5 TXL 7
50
POA_TRAN1
Y1
Y2
Y3
Y4
Y5
Y6
Y7
LDI
SBAT
TISS
HI
TOSS
V12B
TSS
TEHCM
900_HYB_TCM_6SPD_A
ARE82151
UPC FNA 001
TBD
INTERNAL TO TRANSMISSION

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004
GMT900
GM Proprietary

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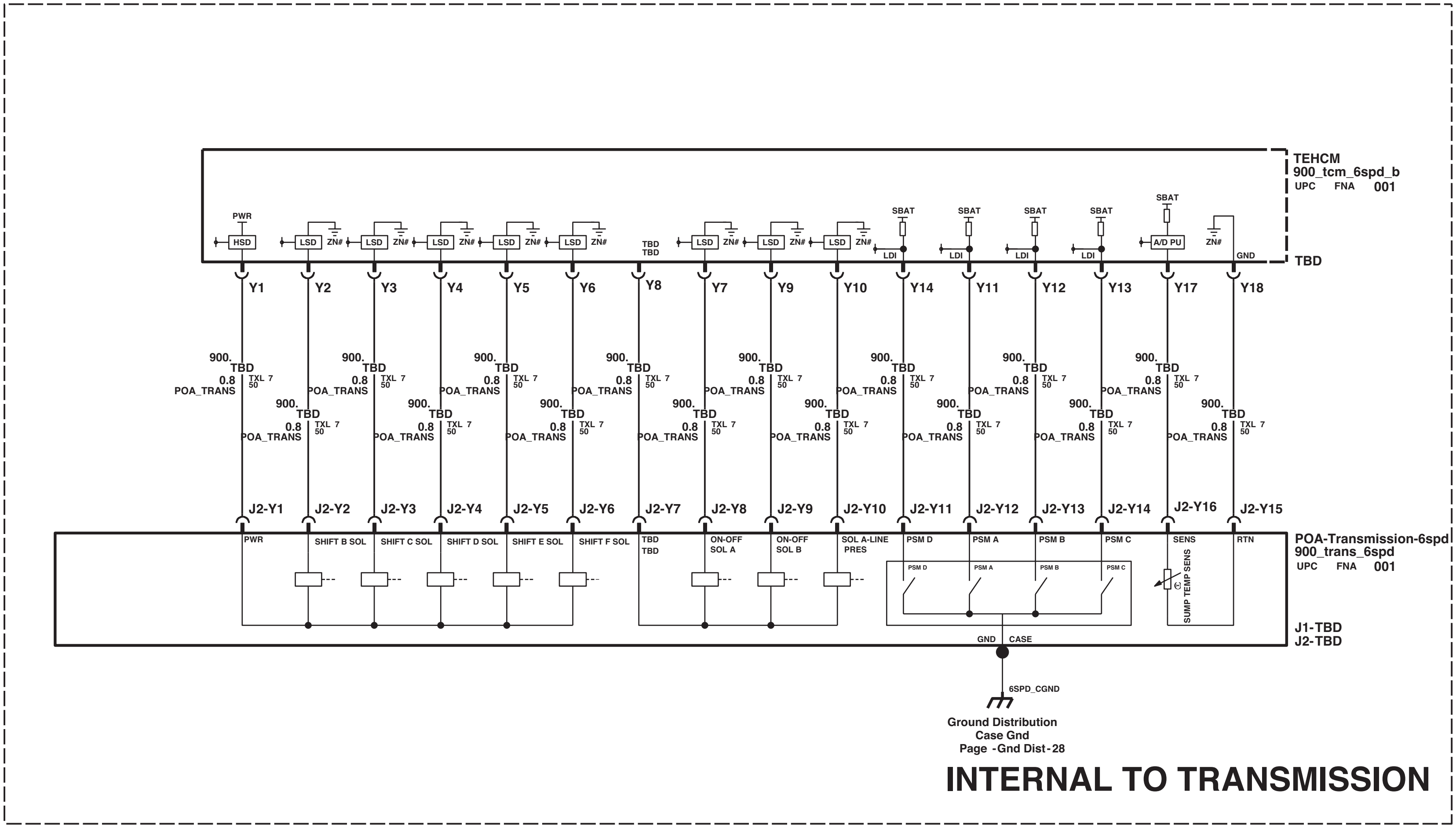
IEC/ESI

Transmission: Controls Hybrid
TR01 Panel 7 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

Transmission Controls: Hybrid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PWR
HSD
LSD
ZN#
TBD
TBD
SBAT
LDI
A/D PU
GND
Y1
Y2
Y3
Y4
Y5
Y6
Y8
Y7
Y9
Y10
Y14
Y11
Y12
Y13
Y17
Y18
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TBD
0.8
TXL 7
50
POA_TRANS
J2-Y1
J2-Y2
J2-Y3
J2-Y4
J2-Y5
J2-Y6
J2-Y7
J2-Y8
J2-Y9
J2-Y10
J2-Y11
J2-Y12
J2-Y13
J2-Y14
J2-Y16
J2-Y15
PWR
SHIFT B SOL
SHIFT C SOL
SHIFT D SOL
SHIFT E SOL
SHIFT F SOL
TBD
TBD
ON-OFF SOL A
ON-OFF SOL B
SOL A-LINE PRES
PSM D
PSM A
PSM B
PSM C
SENS
RTN
SUMP TEMP SENS
POA-Transmission-6spd
900_trans_6spd
UPC FNA 001
J1-TBD
J2-TBD
GND
CASE
6SPD_CGND
Ground Distribution
Case Gnd
Page -Gnd Dist-28
INTERNAL TO TRANSMISSION

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004
GMT900
GM Proprietary

Wednesday, November 15, 2006
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IEC/ESI

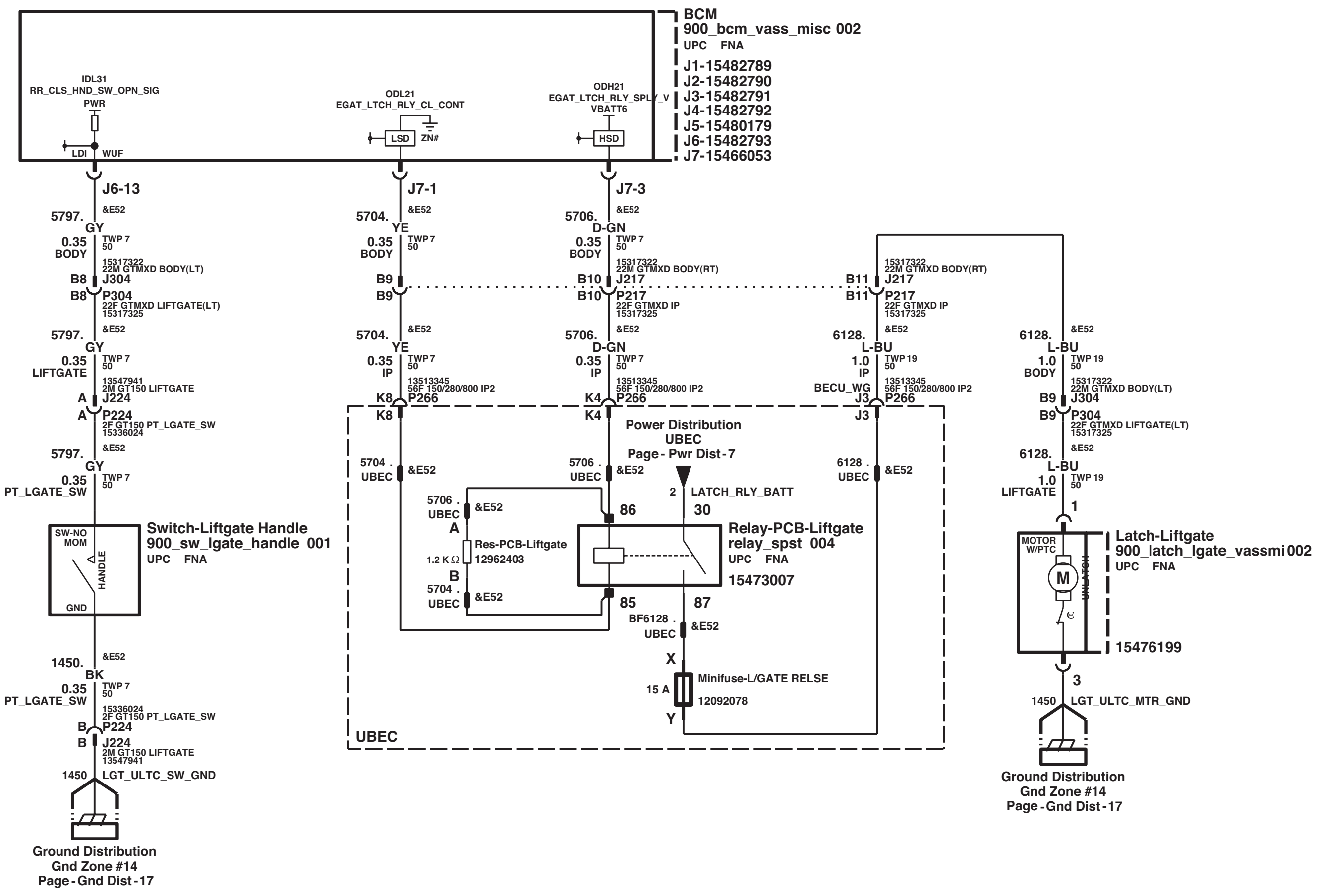
Transmission: Controls Hybrid

TR01 Panel 8 of 8

&M99

2008
GMT900
IVER
System Status: Object Status:

VASS: Miscellaneous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J3-15482791
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J5-15480179
J6-15482793
J7-15466053
IDL31
RR_CLS_HND_SW_OPN_SIG
PWR
LDI
WUF
ODL21
EGAT_LTCH_RLY_CL_CONT
LSD
ZN#
ODH21
EGAT_LTCH_RLY_SPLY_V
VBATT6
HSD
J6-13
&E52
5797.
GY
0.35
BODY
TWP 7
50
15317322
22M GTMXD BODY(LT)
B8
J304
B8
P304
22F GTMXD LIFTGATE(LT)
15317325
&E52
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GY
0.35
LIFTGATE
TWP 7
50
13547941
2M GT150 LIFTGATE
A
J224
A
P224
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15336024
&E52
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TWP 7
50
Switch-Liftgate Handle
900_sw_lgate_handle 001
UPC FNA
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MOM
HANDLE
GND
&E52
1450.
BK
0.35
PT_LGATE_SW
TWP 7
50
15336024
2F GT150 PT_LGATE_SW
B
P224
B
J224
2M GT150 LIFTGATE
13547941
1450
LGT_ULTC_SW_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
J7-1
&E52
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YE
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BODY
TWP 7
50
B9
B9
&E52
5704.
YE
0.35
IP
TWP 7
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56F 150/280/800 IP2
K8
P266
K8
J7-3
&E52
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D-GN
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BODY
TWP 7
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15317322
22M GTMXD BODY(RT)
B10
J217
B10
P217
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&E52
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D-GN
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TWP 7
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56F 150/280/800 IP2
K4
P266
K4
Power Distribution
UBEC
Page - Pwr Dist - 7
5704 .
UBEC
&E52
5706 .
UBEC
&E52
2
LATCH_RLY_BATT
5706 .
UBEC
&E52
A
Res-PCB-Liftgate
1.2 K Ω
12962403
B
5704 .
UBEC
&E52
86
30
Relay-PCB-Liftgate
relay_spst 004
UPC FNA
15473007
85
87
BF6128 .
UBEC
&E52
X
Minifuse-L/GATE RELSE
15 A
12092078
Y
UBEC
15317322
22M GTMXD BODY(RT)
B11
J217
B11
P217
22F GTMXD IP
15317325
&E52
6128.
L-BU
1.0
IP
TWP 19
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56F 150/280/800 IP2
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P266
J3
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&E52
&E52
6128.
L-BU
1.0
BODY
TWP 19
50
15317322
22M GTMXD BODY(LT)
B9
J304
B9
P304
22F GTMXD LIFTGATE(LT)
15317325
&E52
6128.
L-BU
1.0
LIFTGATE
TWP 19
50
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UPC FNA
MOTOR
W/PTC
M
UNLATCH
15476199
3
1450
LGT_ULTC_MTR_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17

ARE16450
003
GMT900
GM Proprietary

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9:54:19 am 5
IEC/ESI

VASS: Miscellaneous

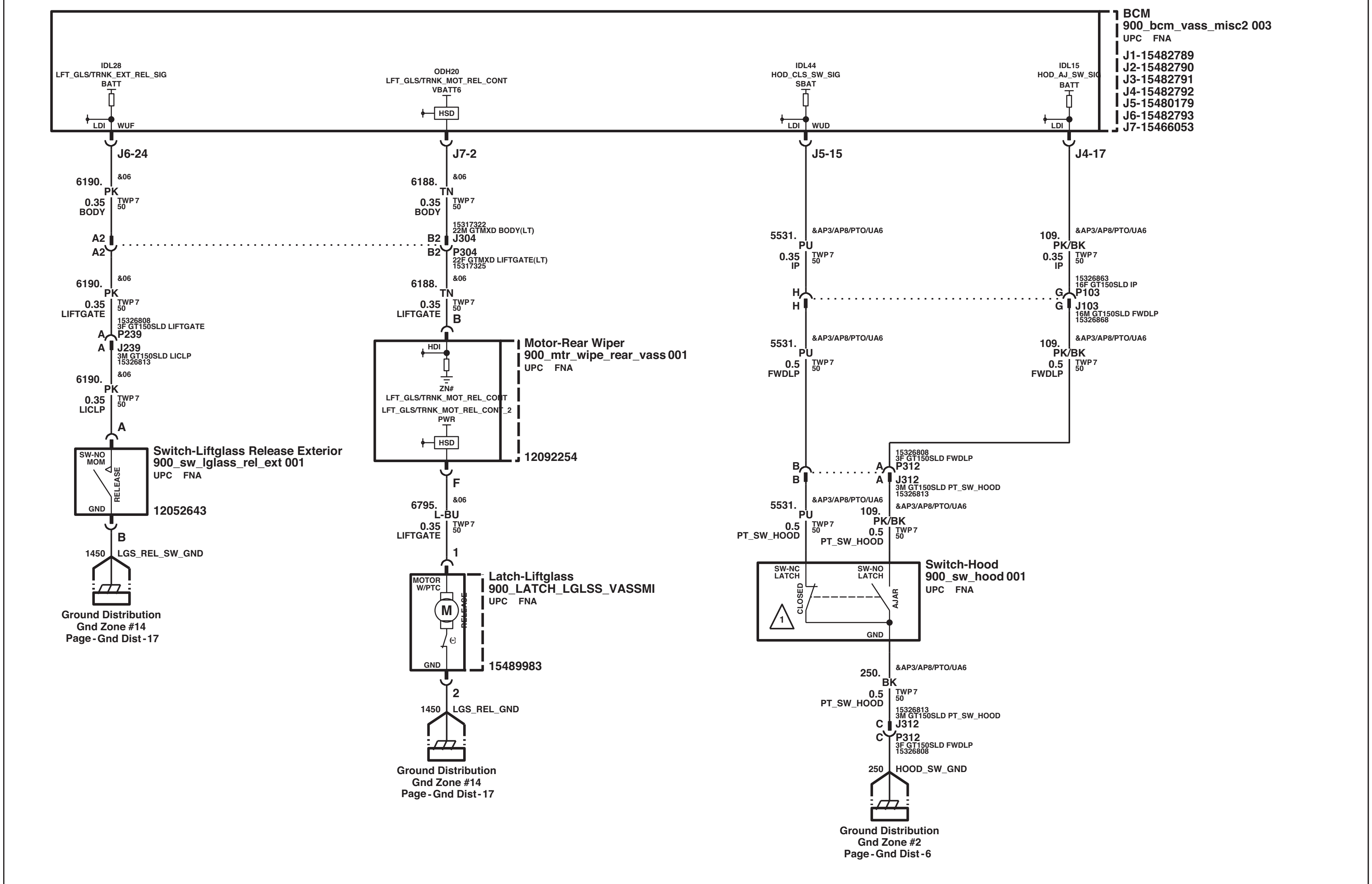
1_08_vass_misc Panel 1 of 2

-HP2

2008
GMT900
IVER

System Status: Object Status:

VASS: Miscellaneous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J5-15480179
J6-15482793
J7-15466053
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BATT
LDI
WUF
ODH20
LFT_GLS/TRNK_MOT_REL_CONT
VBATT6
HSD
IDL44
HOD_CLS_SW_SIG
SBAT
LDI
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IDL15
HOD_AJ_SW_SIG
BATT
LDI
J6-24
J7-2
J5-15
J4-17
6190. PK 0.35 BODY &06 TWP 7 50
6188. TN 0.35 BODY &06 TWP 7 50
A2 A2
B2 J304 B2 P304
15317322 22M GTMXD BODY(LT)
22F GTMXD LIFTGATE(LT) 15317325
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6188. TN 0.35 LIFTGATE &06 TWP 7 50
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A P239
A J239
3M GT150SLD LICLP 15326813
6190. PK 0.35 LICLP &06 TWP 7 50
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Switch-Liftglass Release Exterior
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RELEASE
GND
12052643
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1450 LGS_REL_SW_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
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Motor-Rear Wiper
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HDI
ZN#
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Latch-Liftglass
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MOTOR W/PTC
M
RELEASE
GND
15489983
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Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
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G P103 G J103
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SW-NO LATCH
CLOSED
AJAR
1
GND
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15326813 3M GT150SLD PT_SW_HOOD
C J312
C P312
3F GT150SLD FWDLP 15326808
250 HOOD_SW_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist - 6

NOTES

- 1 – SHOWN IN HOOD CLOSED POSITION.

ARE16450
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
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IEC/ESI

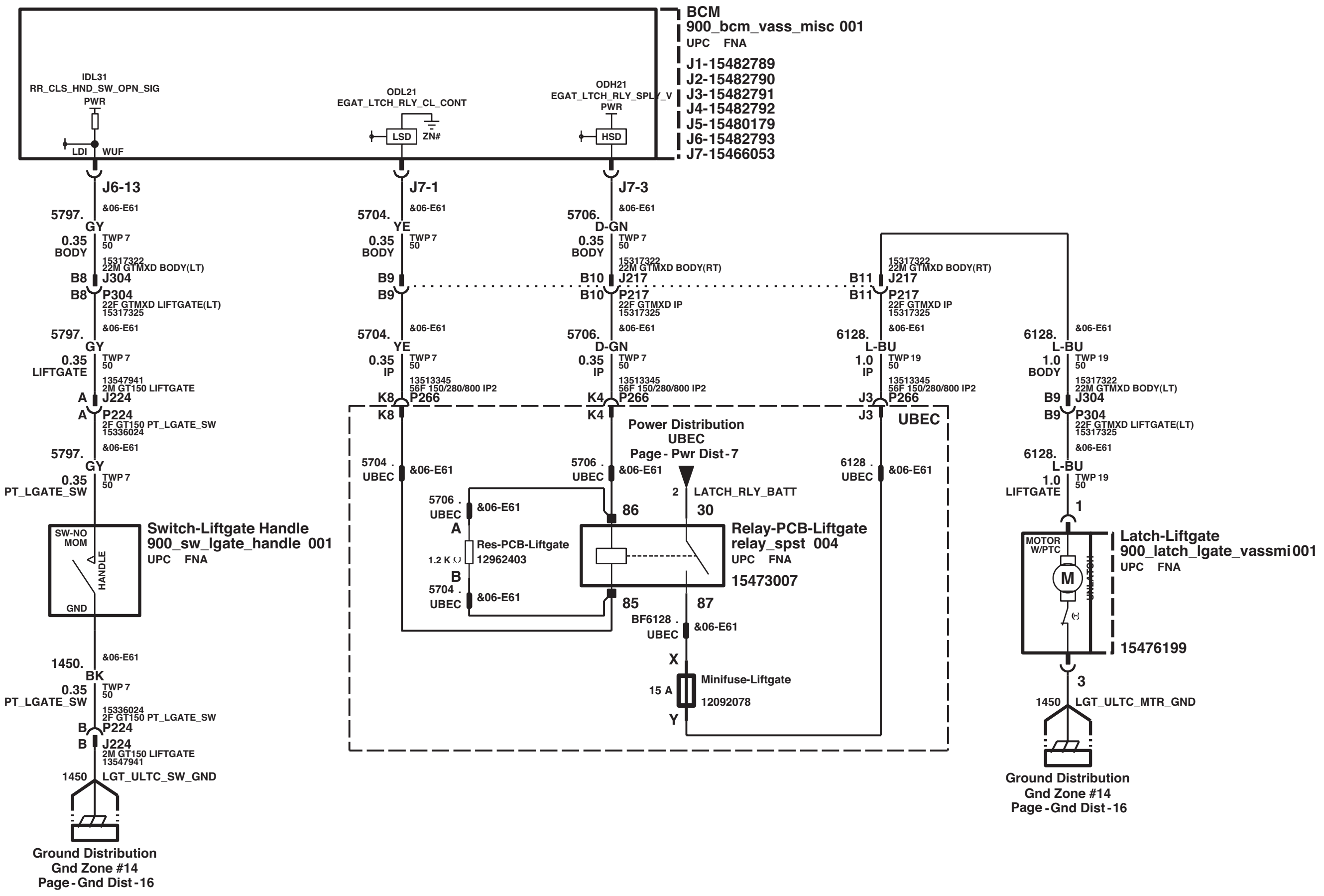
VASS: Miscellaneous

1_08_vass_misc Panel 2 of 2

-HP2

2008
GMT900
IVER
System Status: Object Status:

VASS: Miscellaneous Hybrid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RR_CLS_HND_SW_OPN_SIG
PWR
LDI
WUF
ODL21
EGAT_LTCH_RLY_CL_CONT
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HSD
J6-13
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BODY
TWP 7
50
15317322
22M GTMXD BODY(LT)
B8 J304
B8 P304
22F GTMXD LIFTGATE(LT)
15317325
5797.
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LIFTGATE
13547941
2M GT150 LIFTGATE
A J224
A P224
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&06-E61
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B J224
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13547941
1450 LGT_ULTC_SW_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 16
J7-1
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YE
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BODY
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B9
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YE
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13513345
56F 150/280/800 IP2
K8 P266
K8
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UBEC
J7-3
5706.
D-GN
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BODY
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22M GTMXD BODY(RT)
B10 J217
B10 P217
22F GTMXD IP
15317325
5706.
D-GN
0.35
IP
K4 P266
K4
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UBEC
Page - Pwr Dist - 7
5706 .
UBEC
5706 .
UBEC
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Res-PCB-Liftgate
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B
5704 .
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2 LATCH_RLY_BATT
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Relay-PCB-Liftgate
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87
BF6128 .
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X
Minifuse-Liftgate
15 A
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Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 16

ARE16449
002
GMT900
GM Proprietary

Wednesday, October 11, 2006
9:59:28 am 2
IEC/ESI

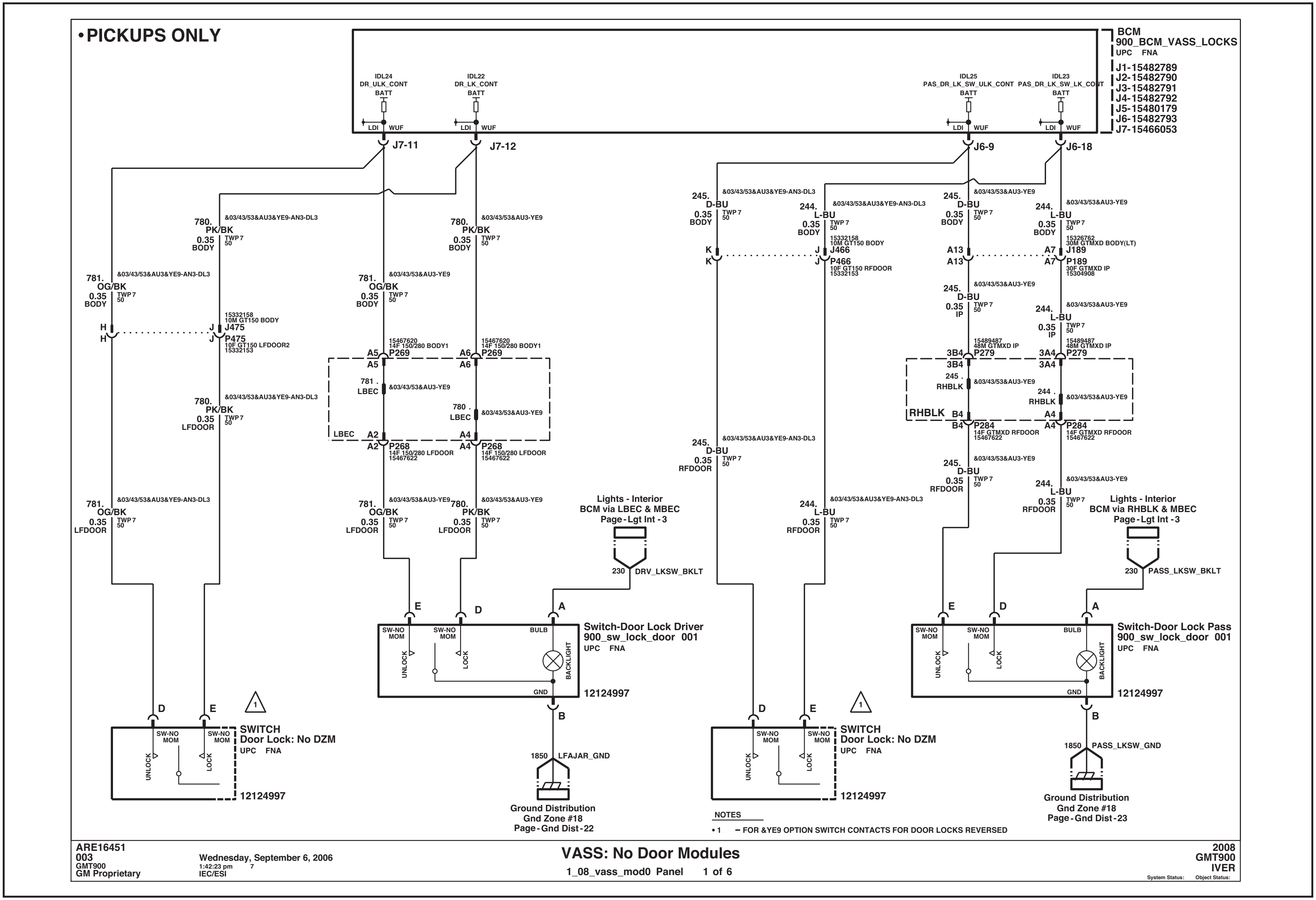
VASS:Misc_Hybrid

1_08_vass_misc_hybrid Panel 1 of 1

&HP2

2008
GMT900
:::D
System Status: Object Status:

VASS: No Door Modules


• PICKUPS ONLY
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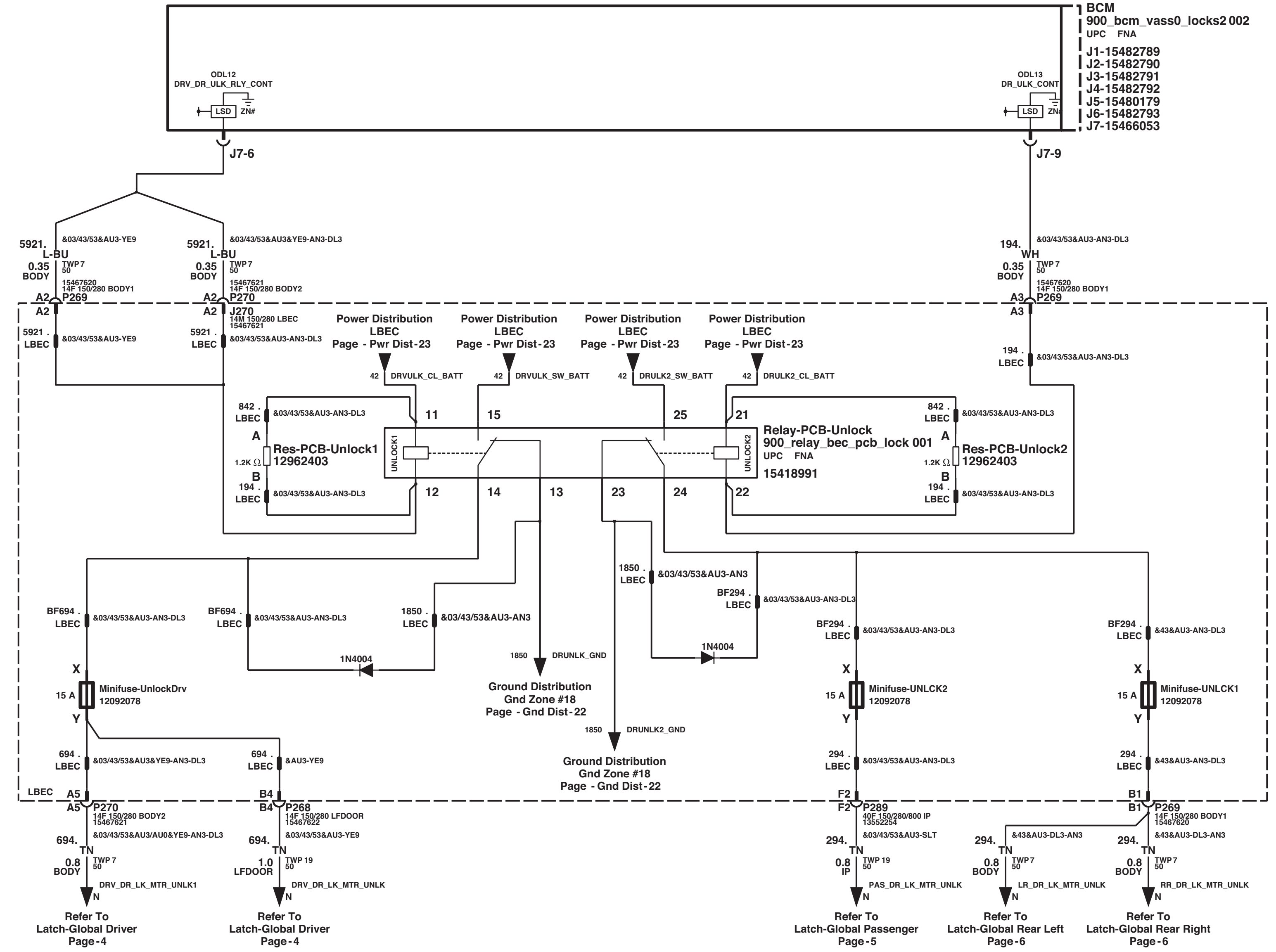
900_BCM_VASS_LOCKS
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL24 DR_ULK_CONT BATT
IDL22 DR_LK_CONT BATT
IDL25 PAS_DR_LK_SW_ULK_CONT BATT
IDL23 PAS_DR_LK_SW_LK_CONT BATT
LDI
WUF
J7-11
J7-12
J6-9
J6-18
780. PK/BK 0.35 BODY TWP 7 50
781. OG/BK 0.35 BODY TWP 7 50
&03/43/53&AU3&YE9-AN3-DL3
&03/43/53&AU3-YE9
H
J
J475 15332158 10M GT150 BODY
P475 10F GT150 LFDOOR2 15332153
780. PK/BK 0.35 LFDOOR
781. OG/BK 0.35 LFDOOR
A5 P269 15467620 14F 150/280 BODY1
A6 P269 15467620 14F 150/280 BODY1
781. LBEC
780. LBEC
LBEC
A2 P268 14F 150/280 LFDOOR 15467622
A4 P268 14F 150/280 LFDOOR 15467622
245. D-BU 0.35 BODY
244. L-BU 0.35 BODY
K
J J466 15332158 10M GT150 BODY
P466 10F GT150 RFDOOR 15332153
A13
A7 J189 15326762 30M GTMXD BODY(LT)
P189 30F GTMXD IP 15304908
245. D-BU 0.35 IP
244. L-BU 0.35 IP
3B4 P279 15489487 48M GTMXD IP
3A4 P279 15489487 48M GTMXD IP
245. RHBLK
244. RHBLK
RHBLK
B4 P284 14F GTMXD RFDOOR 15467622
A4 P284 14F GTMXD RFDOOR 15467622
245. D-BU 0.35 RFDOOR
244. L-BU 0.35 RFDOOR
Lights - Interior BCM via LBEC & MBEC Page - Lgt Int - 3
230 DRV_LKSW_BKLT
Lights - Interior BCM via RHBLK & MBEC Page - Lgt Int - 3
230 PASS_LKSW_BKLT
E
D
A
B
SW-NO MOM
UNLOCK
LOCK
BULB
BACKLIGHT
GND
Switch-Door Lock Driver 900_sw_lock_door 001 UPC FNA
12124997
Switch-Door Lock Pass 900_sw_lock_door 001 UPC FNA
12124997
SWITCH Door Lock: No DZM UPC FNA
12124997
1
1850 LFAJAR_GND
Ground Distribution Gnd Zone #18 Page - Gnd Dist - 22
1850 PASS_LKSW_GND
Ground Distribution Gnd Zone #18 Page - Gnd Dist - 23
NOTES
• 1 – FOR &YE9 OPTION SWITCH CONTACTS FOR DOOR LOCKS REVERSED
ARE16451
003
GMT900
GM Proprietary
Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI
VASS: No Door Modules
1_08_vass_mod0 Panel 1 of 6
2008
GMT900
IVER
System Status: Object Status:

VASS: No Door Modules

- PICKUPS ONLY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J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL12
DRV_DR_ULK_RLY_CONT
LSD
ZN#
ODL13
DR_ULK_CONT
LSD
ZN#
J7-6
J7-9
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L-BU
0.35
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TWP 7
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15467620
14F 150/280 BODY1
A2
P269
A2
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LBEC
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5921.
L-BU
0.35
BODY
&03/43/53&AU3&YE9-AN3-DL3
TWP 7
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A2
P270
A2
J270
14M 150/280 LBEC
15467621
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LBEC
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WH
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BODY
&03/43/53&AU3-AN3-DL3
TWP 7
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15467620
14F 150/280 BODY1
A3
P269
A3
194 .
LBEC
&03/43/53&AU3-AN3-DL3
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRVULK_CL_BATT
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRVULK_SW_BATT
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRULK2_SW_BATT
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRULK2_CL_BATT
842 .
LBEC
&03/43/53&AU3-AN3-DL3
A
Res-PCB-Unlock1
12962403
1.2K Ω
B
194 .
LBEC
&03/43/53&AU3-AN3-DL3
UNLOCK1
11
15
25
21
12
14
13
23
24
22
UNLOCK2
Relay-PCB-Unlock
900_relay_bec_pcb_lock 001
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15418991
842 .
LBEC
&03/43/53&AU3-AN3-DL3
A
Res-PCB-Unlock2
12962403
1.2K Ω
B
194 .
LBEC
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LBEC
&03/43/53&AU3-AN3-DL3
BF694 .
LBEC
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LBEC
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DRUNLK_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist-22
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BF294 .
LBEC
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Page - Gnd Dist-22
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LBEC
&03/43/53&AU3-AN3-DL3
BF294 .
LBEC
&43&AU3-AN3-DL3
X
15 A
Minifuse-UnlockDrv
12092078
Y
X
15 A
Minifuse-UNLCK2
12092078
Y
X
15 A
Minifuse-UNLCK1
12092078
Y
694 .
LBEC
&03/43/53&AU3&YE9-AN3-DL3
694 .
LBEC
&AU3-YE9
294 .
LBEC
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294 .
LBEC
&43&AU3-AN3-DL3
LBEC
A5
A5
P270
14F 150/280 BODY2
15467621
&03/43/53&AU3/AU0&YE9-AN3-DL3
694.
TN
0.8
BODY
TWP 7
50
DRV_DR_LK_MTR_UNLK1
N
B4
B4
P268
14F 150/280 LFDOOR
15467622
&03/43/53&AU3-YE9
694.
TN
1.0
LFDOOR
TWP 19
50
DRV_DR_LK_MTR_UNLK
N
F2
F2
P289
40F 150/280/800 IP
13552254
&03/43/53&AU3-SLT
294.
TN
0.8
IP
TWP 19
50
PAS_DR_LK_MTR_UNLK
N
294.
&43&AU3-DL3-AN3
TN
0.8
BODY
TWP 7
50
LR_DR_LK_MTR_UNLK
N
B1
B1
P269
14F 150/280 BODY1
15467620
&43&AU3-DL3-AN3
294.
TN
0.8
BODY
TWP 7
50
RR_DR_LK_MTR_UNLK
N
Refer To
Latch-Global Driver
Page-4
Refer To
Latch-Global Driver
Page-4
Refer To
Latch-Global Passenger
Page-5
Refer To
Latch-Global Rear Left
Page-6
Refer To
Latch-Global Rear Right
Page-6

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003
GMT900
GM Proprietary

Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI

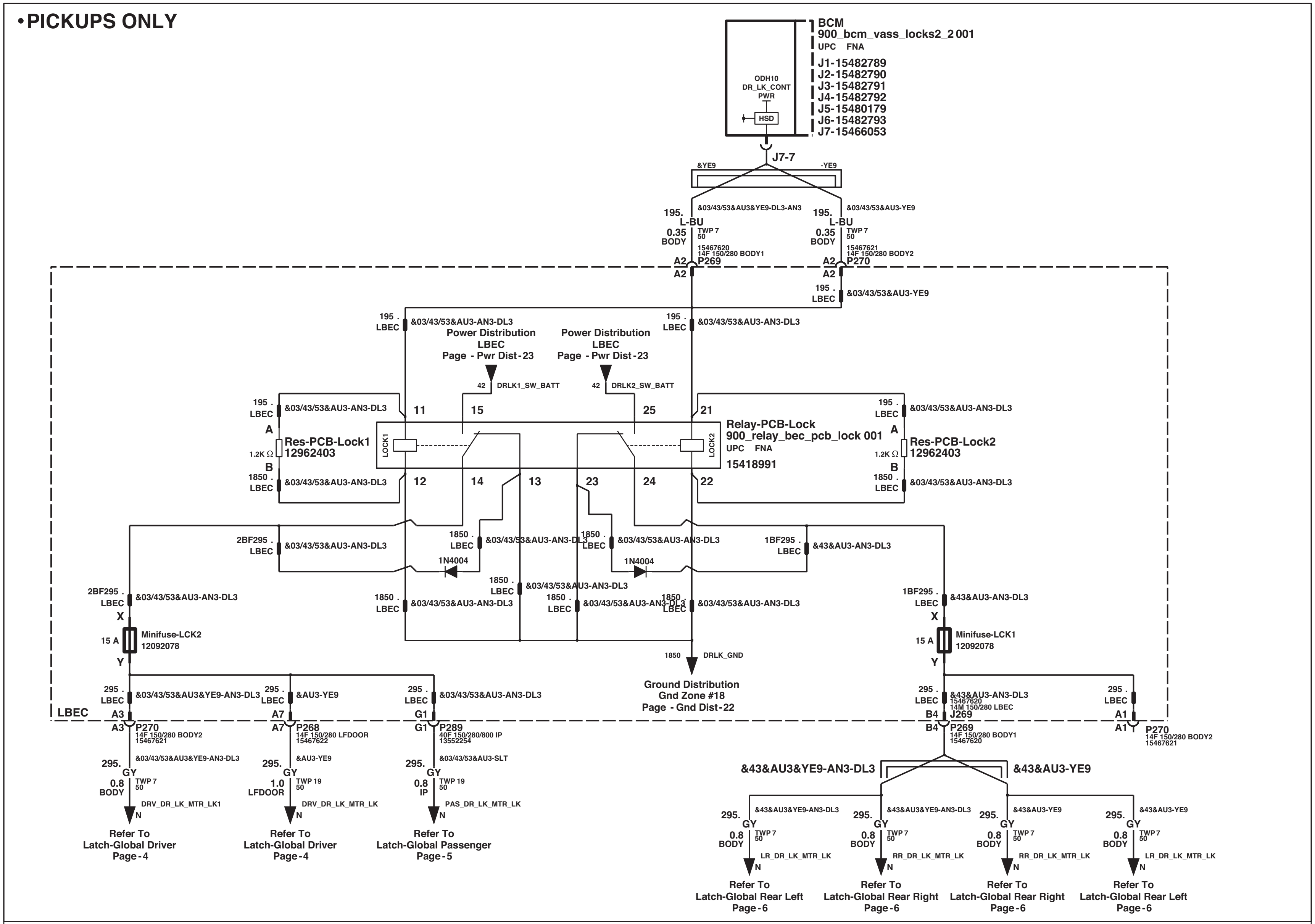
VASS: No Door Modules

1_08_vass_mod0 Panel 2 of 6

2008
GMT900
IVER

System Status: Object Status:

VASS: No Door Modules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J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH10
DR_LK_CONT
PWR
HSD
J7-7
&YE9
-YE9
&03/43/53&AU3&YE9-DL3-AN3
&03/43/53&AU3-YE9
195.
L-BU
0.35
BODY
TWP 7
50
15467620
14F 150/280 BODY1
A2
P269
15467621
14F 150/280 BODY2
P270
195 .
LBEC
&03/43/53&AU3-YE9
&03/43/53&AU3-AN3-DL3
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRLK1_SW_BATT
DRLK2_SW_BATT
11
15
25
21
Relay-PCB-Lock
900_relay_bec_pcb_lock 001
UPC FNA
15418991
LOCK1
LOCK2
A
B
Res-PCB-Lock1
12962403
Res-PCB-Lock2
12962403
1.2K Ω
1850 .
12
14
13
23
24
22
2BF295 .
1BF295 .
&43&AU3-AN3-DL3
1N4004
X
Y
15 A
Minifuse-LCK2
12092078
Minifuse-LCK1
12092078
1850
DRLK_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist-22
295 .
&03/43/53&AU3&YE9-AN3-DL3
&AU3-YE9
LBEC
A3
P270
14F 150/280 BODY2
15467621
A7
P268
14F 150/280 LFDOOR
15467622
G1
P289
40F 150/280/800 IP
13552254
&03/43/53&AU3-SLT
B4
J269
15467620
14M 150/280 LBEC
P269
14F 150/280 BODY1
A1
295.
GY
0.8
BODY
1.0
LFDOOR
IP
TWP 19
DRV_DR_LK_MTR_LK1
DRV_DR_LK_MTR_LK
PAS_DR_LK_MTR_LK
N
Refer To
Latch-Global Driver
Page-4
Latch-Global Passenger
Page-5
&43&AU3&YE9-AN3-DL3
&43&AU3-YE9
LR_DR_LK_MTR_LK
RR_DR_LK_MTR_LK
Latch-Global Rear Left
Latch-Global Rear Right
Page-6

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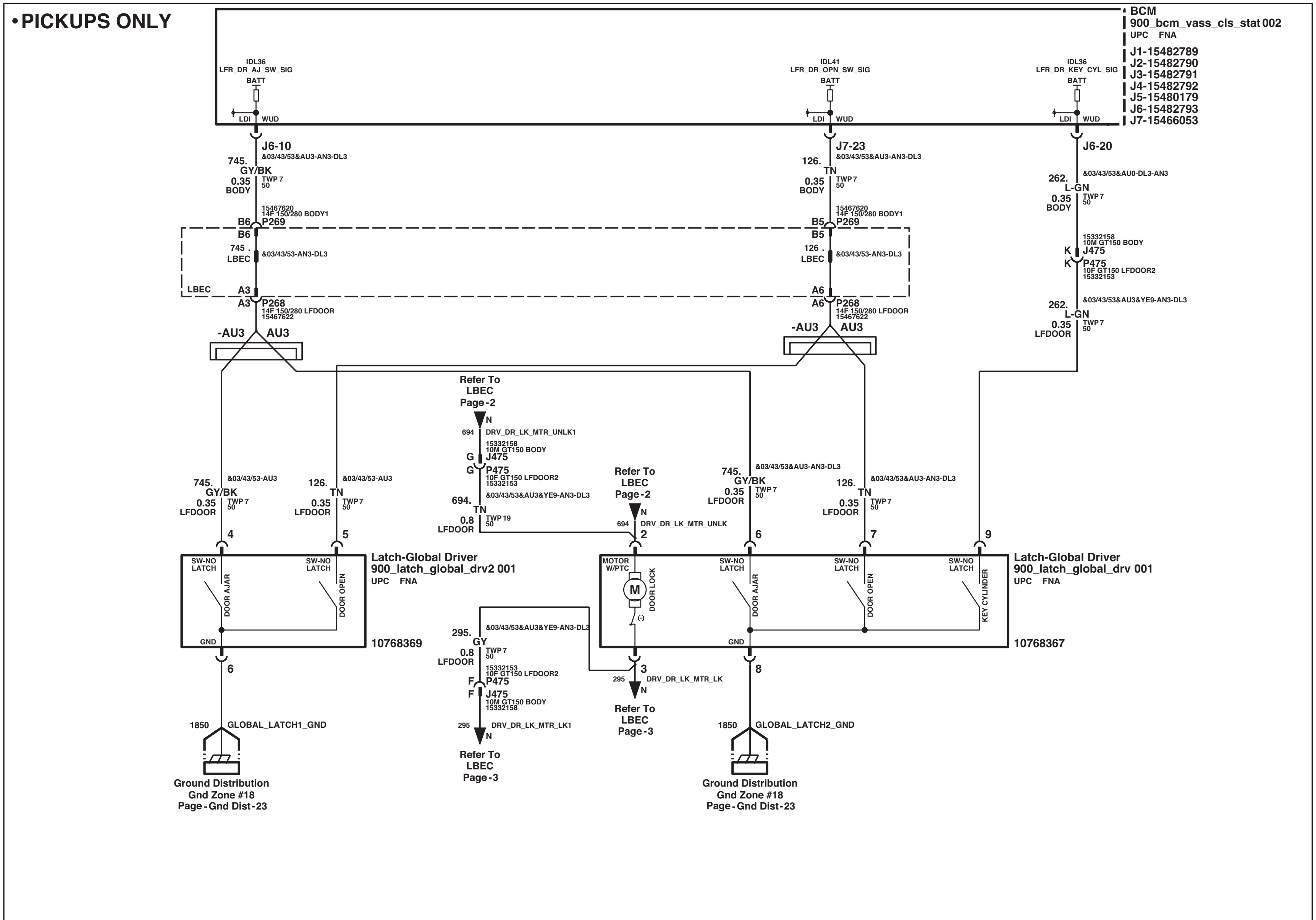
003
GMT900
GM Proprietary

Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI

VASS: No Door Modules
1_08_vass_mod0 Panel 3 of 6

2008
GMT900
IVER
System Status: Object Status:

VASS: No Door Modules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J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL36
LFR_DR_AJ_SW_SIG
BATT
LDI
WUD
IDL41
LFR_DR_OPN_SW_SIG
IDL36
LFR_DR_KEY_CYL_SIG
J6-10
745.
GY/BK
0.35
BODY
&03/43/53&AU3-AN3-DL3
TWP 7 50
15467620
14F 150/280 BODY1
B6
P269
745 .
LBEC
&03/43/53-AN3-DL3
LBEC
A3
P268
14F 150/280 LFDOOR
15467622
-AU3
AU3
J7-23
126.
TN
B5
A6
J6-20
262.
L-GN
&03/43/53&AU0-DL3-AN3
15332158
10M GT150 BODY
K
J475
P475
10F GT150 LFDOOR2
15332153
&03/43/53&AU3&YE9-AN3-DL3
LFDOOR
Refer To
LBEC
Page-2
N
694
DRV_DR_LK_MTR_UNLK1
G
694.
0.8
TWP 19 50
&03/43/53-AU3
4
5
SW-NO
LATCH
DOOR AJAR
DOOR OPEN
GND
Latch-Global Driver
900_latch_global_drv2 001
UPC FNA
10768369
6
1850
GLOBAL_LATCH1_GND
Ground Distribution
Gnd Zone #18
Page-Gnd Dist-23
DRV_DR_LK_MTR_UNLK
2
7
9
MOTOR
W/PTC
M
DOOR LOCK
KEY CYLINDER
Latch-Global Driver
900_latch_global_drv 001
UPC FNA
10768367
295.
GY
F
295
DRV_DR_LK_MTR_LK1
Refer To
LBEC
Page-3
3
DRV_DR_LK_MTR_LK
8
GLOBAL_LATCH2_GND

ARE16451
003
GMT900
GM Proprietary

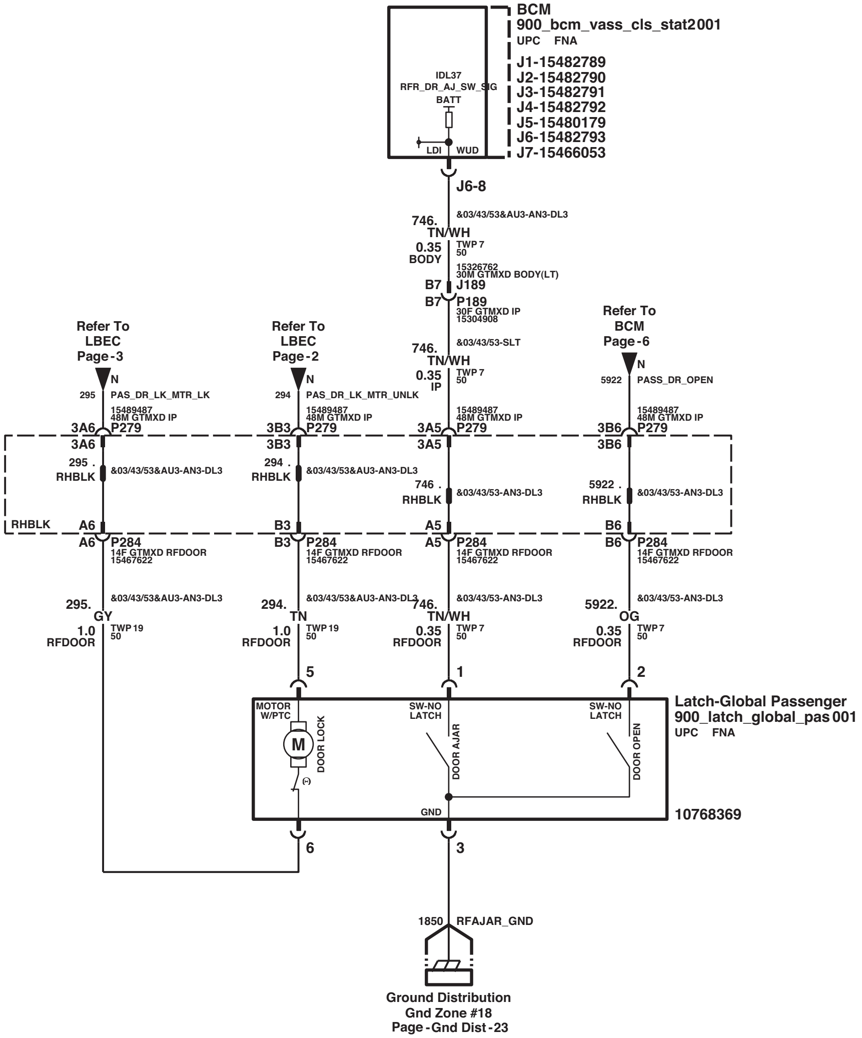
Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI

VASS: No Door Modules
1_08_vass_mod0 Panel 4 of 6

2008
GMT900
IVER
System Status: Object Status:

VASS: No Door Modules

• **PICKUPS ONLY**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J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL37
RFR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-8
&03/43/53&AU3-AN3-DL3
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TWP 7
50
15326762
30M GTMXD BODY(LT)
B7
J189
B7
P189
30F GTMXD IP
15304908
&03/43/53-SLT
746.
TN/WH
0.35
IP
TWP 7
50
Refer To
LBEC
Page-3
N
295
PAS_DR_LK_MTR_LK
Refer To
LBEC
Page-2
N
294
PAS_DR_LK_MTR_UNLK
Refer To
BCM
Page-6
N
5922
PASS_DR_OPEN
15489487
48M GTMXD IP
3A6
P279
3B3
P279
3A5
P279
3B6
P279
3A6
3B3
3A5
3B6
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RHBLK
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294 .
RHBLK
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RHBLK
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A6
B3
A5
B6
A6
P284
B3
P284
A5
P284
B6
P284
14F GTMXD RFDOOR
15467622
295.
GY
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RFDOOR
TWP 19
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TWP 19
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TWP 7
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OG
0.35
RFDOOR
TWP 7
50
&03/43/53-AN3-DL3
5
1
2
MOTOR
W/PTC
M
DOOR LOCK
SW-NO
LATCH
DOOR AJAR
SW-NO
LATCH
DOOR OPEN
GND
Latch-Global Passenger
900_latch_global_pas 001
UPC FNA
10768369
6
3
1850
RFAJAR_GND
Ground Distribution
Gnd Zone #18
Page-Gnd Dist-23

ARE16451
003
GMT900
GM Proprietary

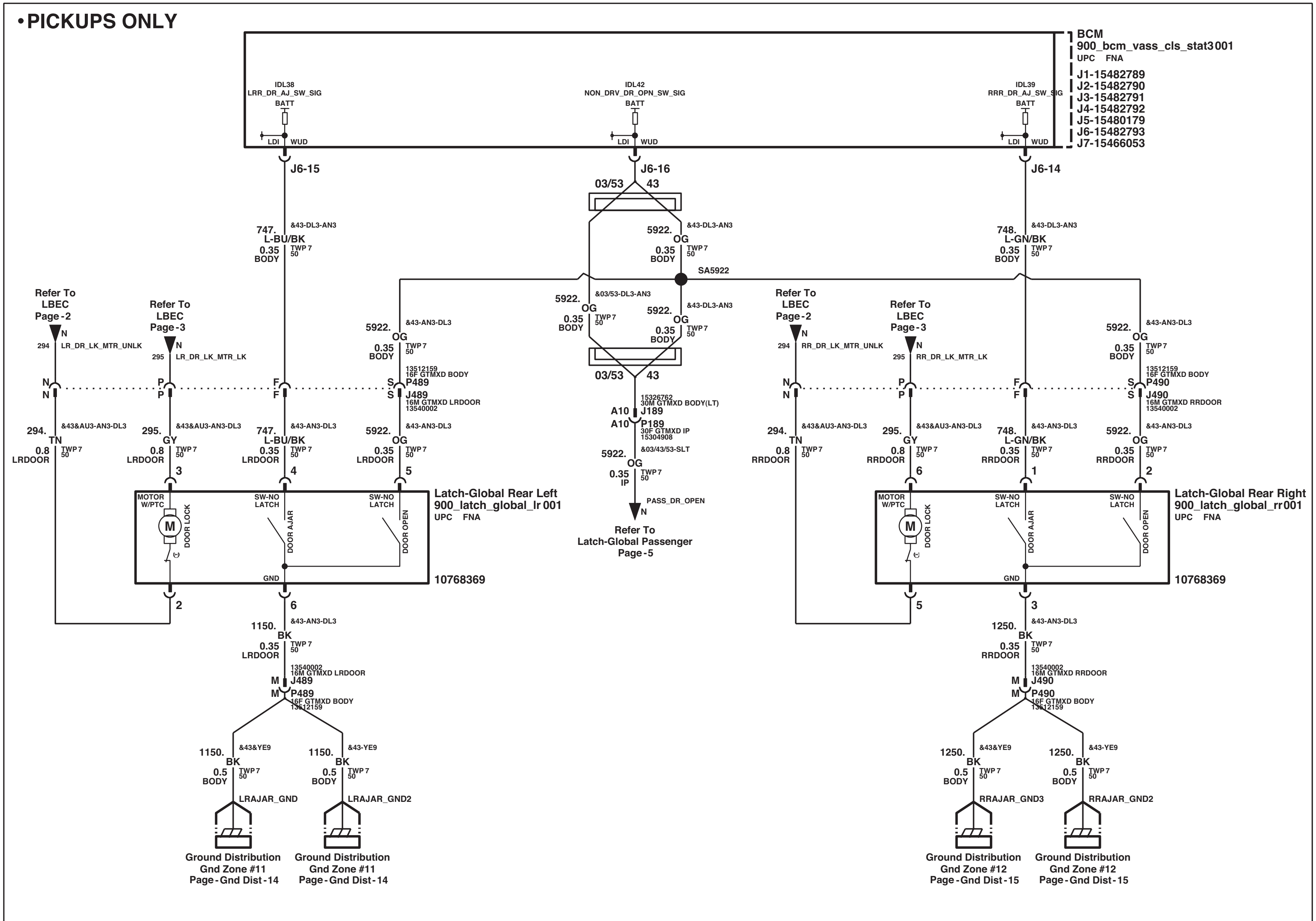
Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI

VASS: No Door Modules
1_08_vass_mod0 Panel 5 of 6

2008
GMT900
IVER
System Status: Object Status:

VASS: No Door Modules

•PICKUPS ONLY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J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL38
LRR_DR_AJ_SW_SIG
IDL42
NON_DRV_DR_OPN_SW_SIG
IDL39
RRR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-15
J6-16
J6-14
03/53
43
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OG
SA5922
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&43-AN3-DL3
Refer To
LBEC
Page - 2
Refer To
LBEC
Page - 3
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294
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295
LR_DR_LK_MTR_LK
RR_DR_LK_MTR_UNLK
RR_DR_LK_MTR_LK
13512159
16F GTMXD BODY
P489
J489
16M GTMXD LRDOOR
13540002
P490
J490
16M GTMXD RRDOOR
15326762
30M GTMXD BODY(LT)
A10
J189
P189
30F GTMXD IP
15304908
&03/43/53-SLT
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IP
PASS_DR_OPEN
Refer To
Latch-Global Passenger
Page - 5
294.
TN
0.8
LRDOOR
&43&AU3-AN3-DL3
295.
GY
RRDOOR
Latch-Global Rear Left
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UPC FNA
Latch-Global Rear Right
900_latch_global_rr 001
UPC FNA
MOTOR
W/PTC
M
DOOR LOCK
SW-NO
LATCH
DOOR AJAR
DOOR OPEN
GND
10768369
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BK
1250.
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&43-YE9
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LRAJAR_GND2
RRAJAR_GND3
RRAJAR_GND2
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15

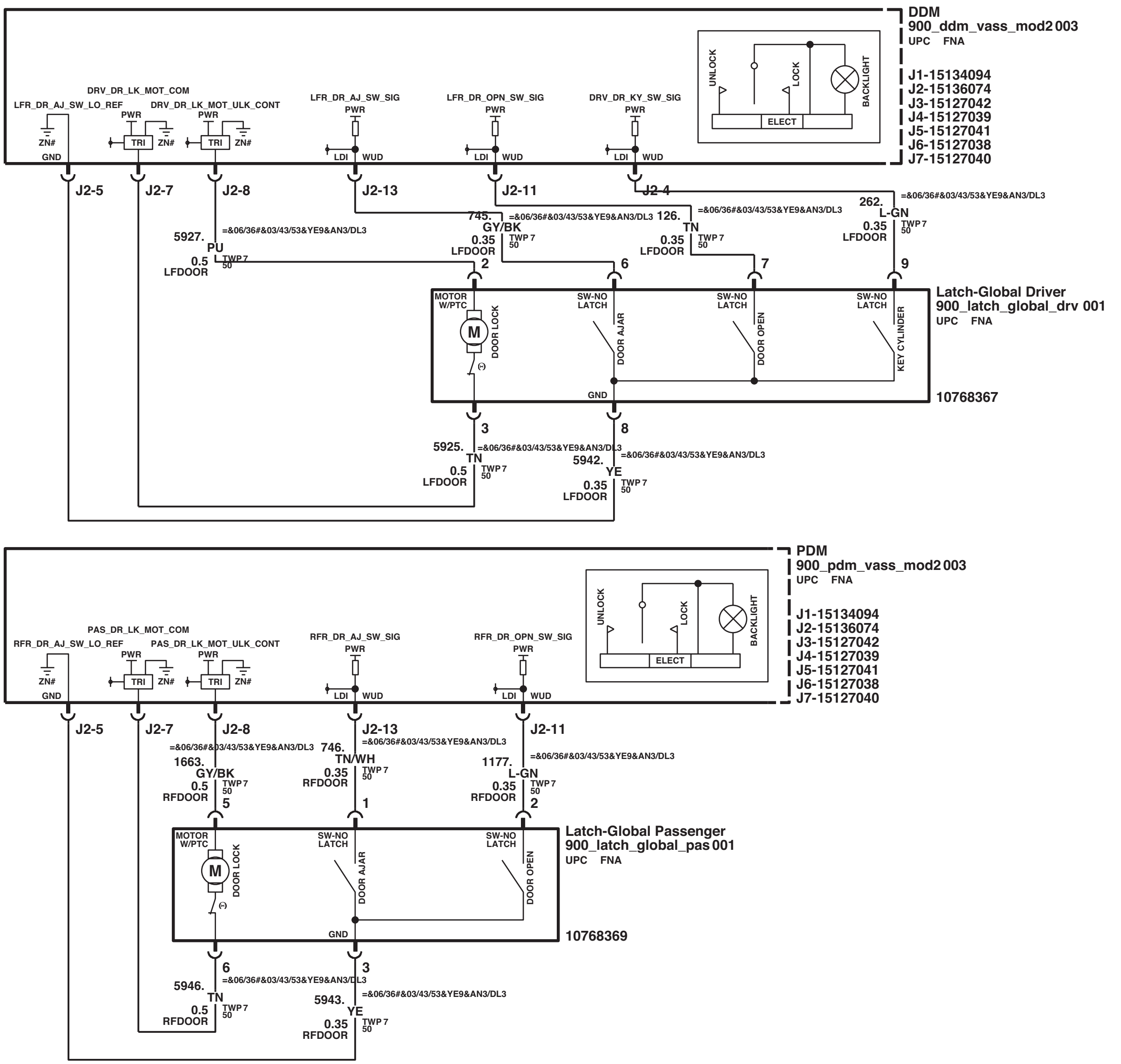
ARE16451
003
GMT900
GM Proprietary

Wednesday, September 6, 2006
1:42:23 pm 7
IEC/ESI

VASS: No Door Modules
1_08_vass_mod0 Panel 6 of 6

2008
GMT900
IVER
System Status: Object Status:

VASS: 2 Door Modules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J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
UNLOCK
LOCK
BACKLIGHT
ELECT
LFR_DR_AJ_SW_LO_REF
DRV_DR_LK_MOT_COM
DRV_DR_LK_MOT_ULK_CONT
LFR_DR_AJ_SW_SIG
LFR_DR_OPN_SW_SIG
DRV_DR_KY_SW_SIG
PWR
TRI
ZN#
GND
LDI
WUD
J2-5
J2-7
J2-8
J2-13
J2-11
J2-4
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5927.
PU
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LFDOOR
TWP 7
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GY/BK
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126.
TN
262.
L-GN
2
6
7
9
Latch-Global Driver
900_latch_global_drv 001
UPC FNA
MOTOR W/PTC
M
DOOR LOCK
SW-NO LATCH
DOOR AJAR
DOOR OPEN
KEY CYLINDER
10768367
3
8
5925.
TN
5942.
YE
PDM
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PAS_DR_LK_MOT_ULK_CONT
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RFR_DR_OPN_SW_SIG
1663.
GY/BK
RFDOOR
746.
TN/WH
1177.
L-GN
5
1
2
Latch-Global Passenger
900_latch_global_pas 001
10768369
6
3
5946.
TN
5943.
YE

ARE16452
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI

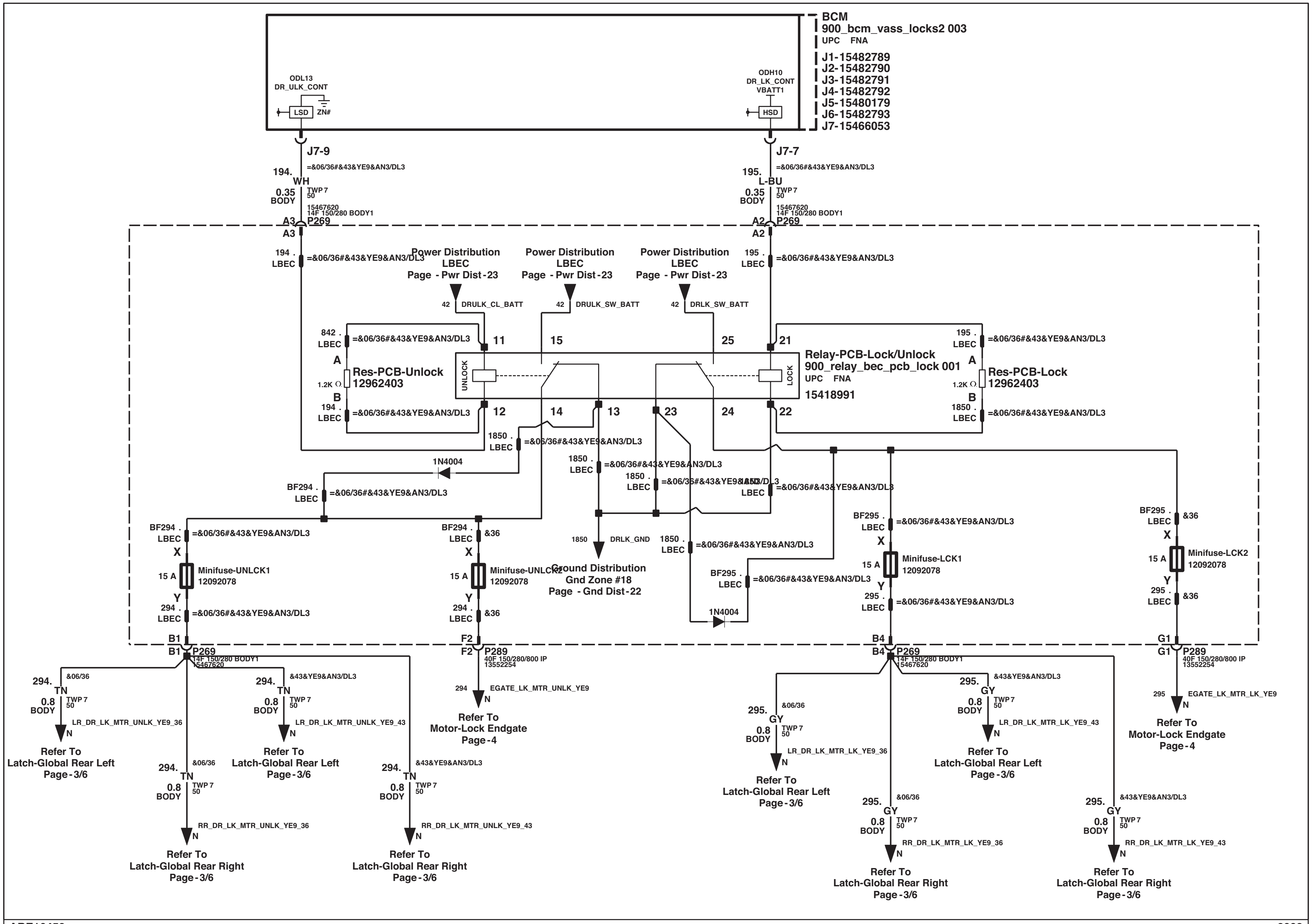
VASS: 2 Door Modules

1_08_vass_mod2 Panel 1 of 6

2008
GMT900

System Status: Object Status:

VASS: 2 Door Modules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J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL13
DR_ULK_CONT
LSD
ZN#
ODH10
DR_LK_CONT
VBATT1
HSD
J7-9
194.
WH
0.35
BODY
=&06/36#&43&YE9&AN3/DL3
TWP 7
50
15467620
14F 150/280 BODY1
A3
P269
J7-7
195.
L-BU
0.35
BODY
A2
Power Distribution
LBEC
Page - Pwr Dist-23
42
DRULK_CL_BATT
DRULK_SW_BATT
DRLK_SW_BATT
842 .
LBEC
A
Res-PCB-Unlock
12962403
1.2K Ω
B
194 .
11
15
25
21
12
14
13
23
24
22
UNLOCK
LOCK
Relay-PCB-Lock/Unlock
900_relay_bec_pcb_lock 001
UPC FNA
15418991
195 .
Res-PCB-Lock
12962403
1850 .
LBEC
1N4004
BF294 .
LBEC
&36
X
Minifuse-UNLCK1
12092078
15 A
Y
294 .
Minifuse-UNLCK2
12092078
1850
DRLK_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist-22
BF295 .
Minifuse-LCK1
12092078
295 .
Minifuse-LCK2
12092078
B1
P269
14F 150/280 BODY1
15467620
F2
P289
40F 150/280/800 IP
13552254
B4
G1
294.
TN
0.8
BODY
&06/36
&43&YE9&AN3/DL3
LR_DR_LK_MTR_UNLK_YE9_36
LR_DR_LK_MTR_UNLK_YE9_43
RR_DR_LK_MTR_UNLK_YE9_36
RR_DR_LK_MTR_UNLK_YE9_43
EGATE_LK_MTR_UNLK_YE9
N
Refer To
Latch-Global Rear Left
Page-3/6
Latch-Global Rear Right
Motor-Lock Endgate
Page-4
295.
GY
LR_DR_LK_MTR_LK_YE9_36
LR_DR_LK_MTR_LK_YE9_43
RR_DR_LK_MTR_LK_YE9_36
RR_DR_LK_MTR_LK_YE9_43
EGATE_LK_MTR_LK_YE9

ARE16452
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI

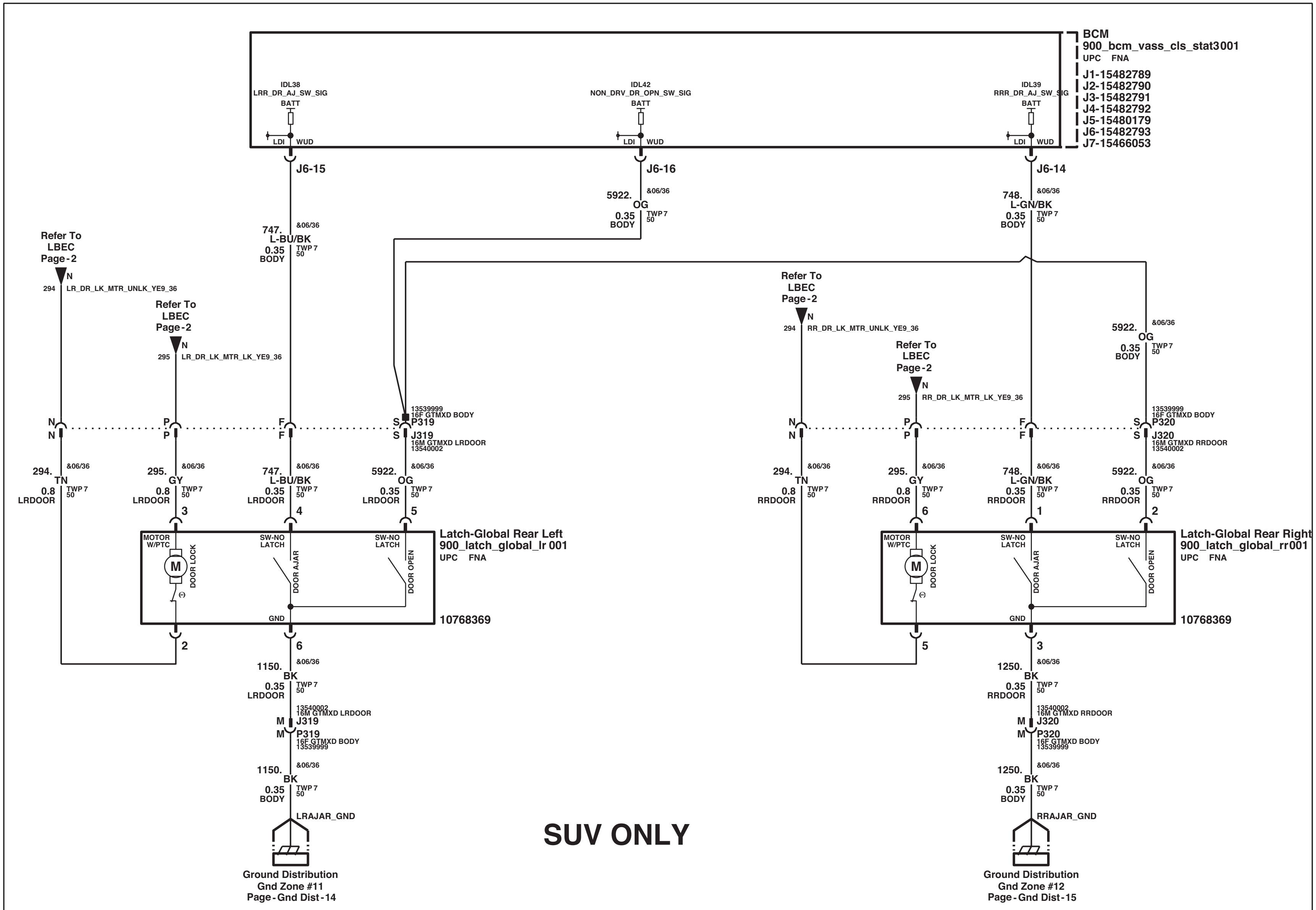
VASS: 2 Door Modules

1_08_vass_mod2 Panel 2 of 6

2008
GMT900

System Status: Object Status:

VASS: 2 Door Modules


BCM
900_bcm_vass_cls_stat3001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL38
LRR_DR_AJ_SW_SIG
IDL42
NON_DRV_DR_OPN_SW_SIG
IDL39
RRR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-15
J6-16
J6-14
747.
L-BU/BK
0.35
BODY
5922.
OG
748.
L-GN/BK
&06/36
TWP 7
50
Refer To
LBEC
Page-2
294
LR_DR_LK_MTR_UNLK_YE9_36
295
LR_DR_LK_MTR_LK_YE9_36
294
RR_DR_LK_MTR_UNLK_YE9_36
295
RR_DR_LK_MTR_LK_YE9_36
13539999
16F GTMXD BODY
P319
J319
16M GTMXD LRDOOR
13540002
P320
J320
16M GTMXD RRDOOR
N
P
F
S
294.
TN
0.8
LRDOOR
295.
GY
RRDOOR
3
4
5
6
1
2
MOTOR
W/PTC
M
DOOR LOCK
SW-NO
LATCH
DOOR AJAR
DOOR OPEN
GND
Latch-Global Rear Left
900_latch_global_lr 001
UPC FNA
10768369
Latch-Global Rear Right
900_latch_global_rr001
UPC FNA
10768369
1150.
BK
1250.
M
LRAJAR_GND
RRAJAR_GND
Ground Distribution
Gnd Zone #11
Page-Gnd Dist-14
Ground Distribution
Gnd Zone #12
Page-Gnd Dist-15
SUV ONLY

ARE16452
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI

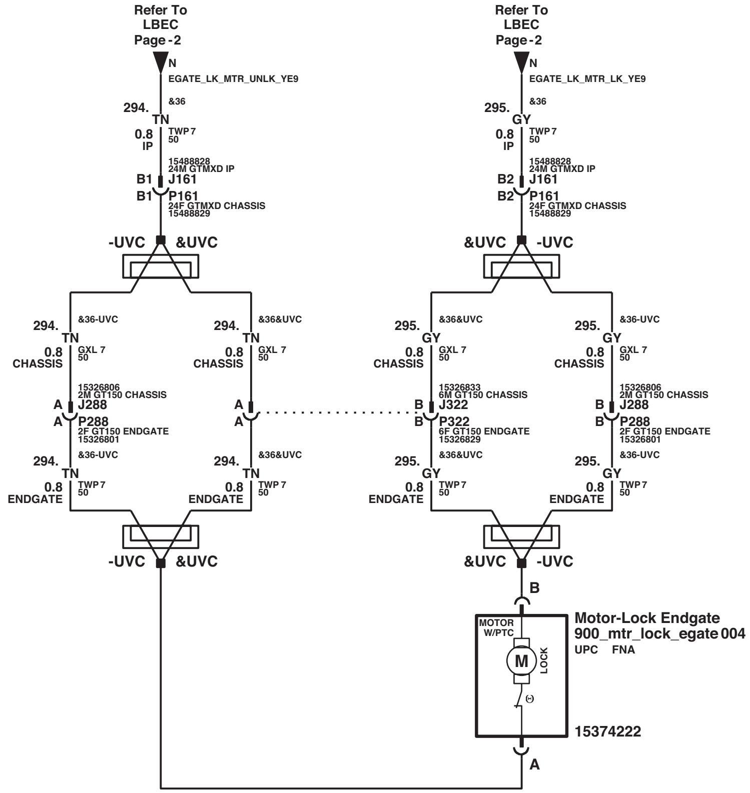
VASS: 2 Door Modules

1_08_vass_mod2 Panel 3 of 6

2008
GMT900

System Status: Object Status:

VASS: 2 Door Modules


Refer To
LBEC
Page-2
N
EGATE_LK_MTR_UNLK_YE9
&36
294.
TN
0.8
IP
TWP 7
50
15488828
24M GTMXD IP
B1
J161
B1
P161
24F GTMXD CHASSIS
15488829
-UVC
&UVC
Refer To
LBEC
Page-2
N
EGATE_LK_MTR_LK_YE9
&36
295.
GY
0.8
IP
TWP 7
50
15488828
24M GTMXD IP
B2
J161
B2
P161
24F GTMXD CHASSIS
15488829
&UVC
-UVC
294.
&36-UVC
TN
0.8
CHASSIS
GXL 7
50
15326806
2M GT150 CHASSIS
A
J288
A
P288
2F GT150 ENDGATE
15326801
294.
&36-UVC
TN
0.8
ENDGATE
TWP 7
50
294.
&36&UVC
TN
0.8
CHASSIS
GXL 7
50
A
A
294.
&36&UVC
TN
0.8
ENDGATE
TWP 7
50
295.
&36&UVC
GY
0.8
CHASSIS
GXL 7
50
15326833
6M GT150 CHASSIS
B
J322
B
P322
6F GT150 ENDGATE
15326829
295.
&36&UVC
GY
0.8
ENDGATE
TWP 7
50
295.
&36-UVC
GY
0.8
CHASSIS
GXL 7
50
15326806
2M GT150 CHASSIS
B
J288
B
P288
2F GT150 ENDGATE
15326801
295.
&36-UVC
GY
0.8
ENDGATE
TWP 7
50
-UVC
&UVC
&UVC
-UVC
B
MOTOR
W/PTC
M
LOCK
Motor-Lock Endgate
900_mtr_lock_egate 004
UPC FNA
15374222
A

ARE16452
003
GMT900
GM Proprietary

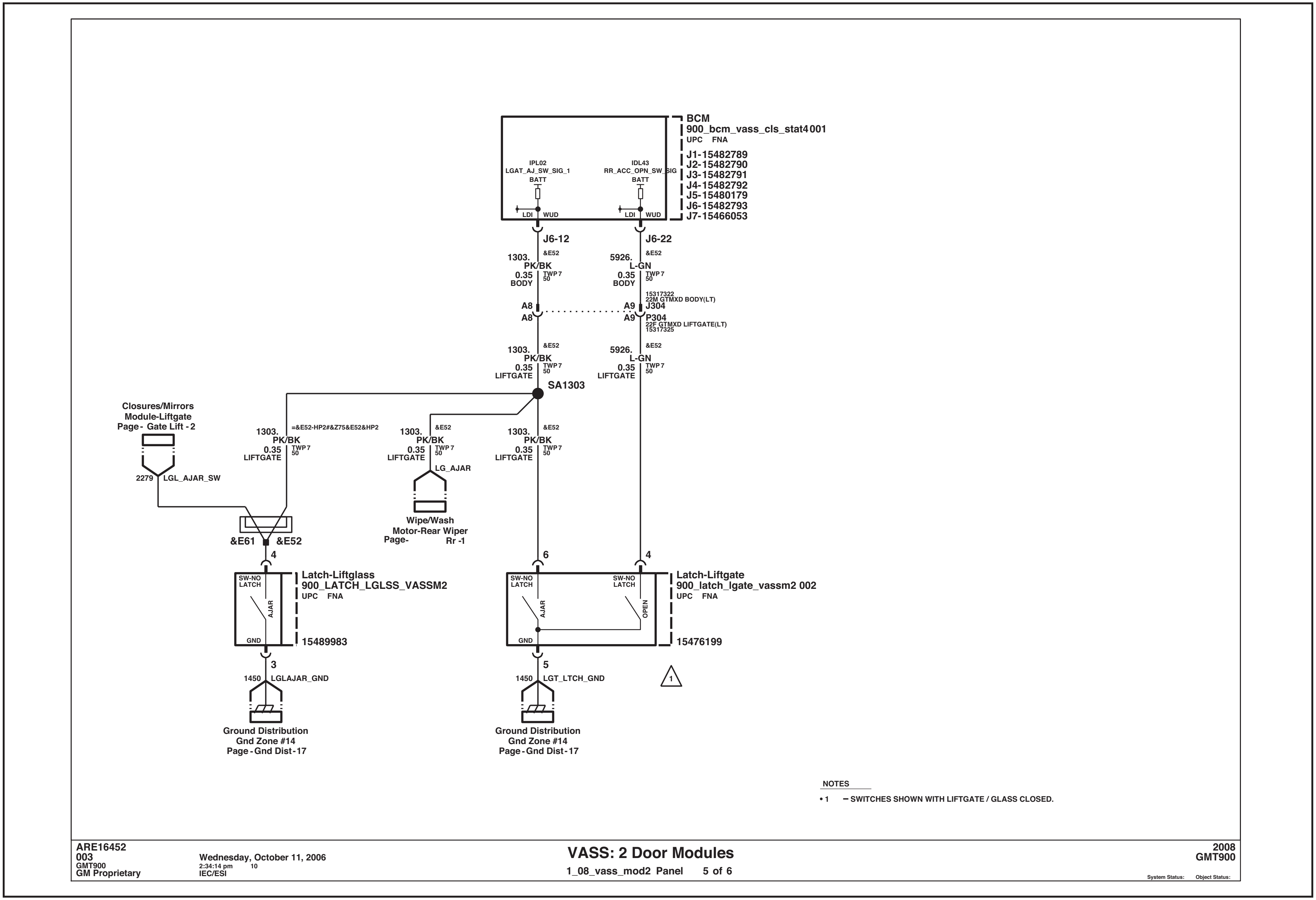
Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI

VASS: 2 Door Modules
1_08_vass_mod2 Panel 4 of 6

2008
GMT900

System Status: Object Status:

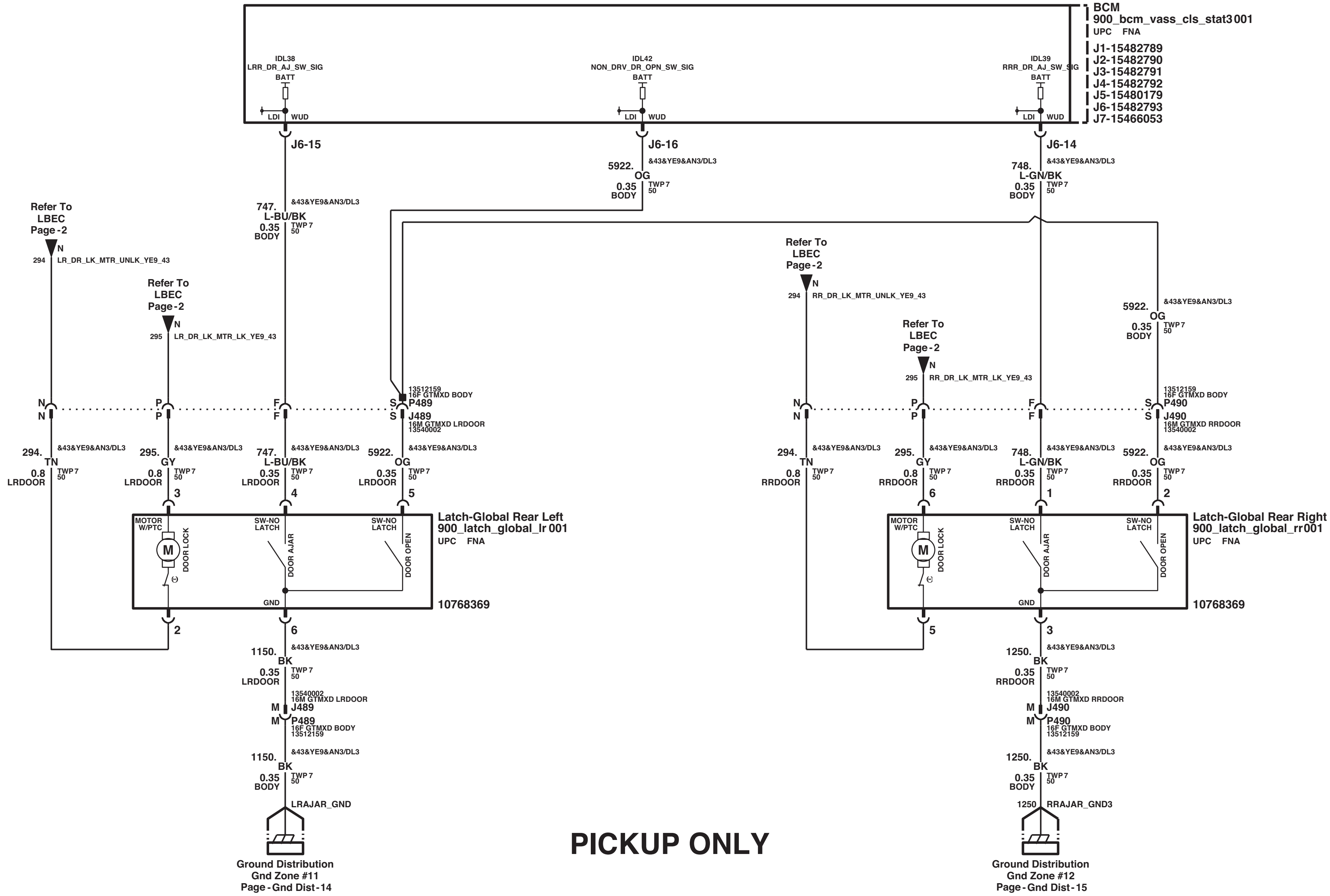
VASS: 2 Door Modules


BCM
900_bcm_vass_cls_stat4 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IPL02
LGAT_AJ_SW_SIG_1
BATT
LDI
WUD
IDL43
RR_ACC_OPN_SW_SIG
BATT
LDI
WUD
J6-12
J6-22
1303.
&E52
PK/BK
0.35
TWP 7
50
BODY
5926.
&E52
L-GN
0.35
TWP 7
50
BODY
15317322
22M GTMXD BODY(LT)
A8
A8
A9
J304
A9
P304
22F GTMXD LIFTGATE(LT)
15317325
1303.
&E52
PK/BK
0.35
TWP 7
50
LIFTGATE
5926.
&E52
L-GN
0.35
TWP 7
50
LIFTGATE
SA1303
Closures/Mirrors
Module-Liftgate
Page - Gate Lift - 2
2279
LGL_AJAR_SW
1303.
=&E52-HP2#&Z75&E52&HP2
PK/BK
0.35
TWP 7
50
LIFTGATE
1303.
&E52
PK/BK
0.35
TWP 7
50
LIFTGATE
LG_AJAR
Wipe/Wash
Motor-Rear Wiper
Page- Rr -1
1303.
&E52
PK/BK
0.35
TWP 7
50
LIFTGATE
&E61
&E52
4
Latch-Liftglass
900_LATCH_LGLSS_VASSM2
UPC FNA
SW-NO
LATCH
AJAR
GND
15489983
3
1450
LGLAJAR_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
6
4
Latch-Liftgate
900_latch_lgate_vassm2 002
UPC FNA
SW-NO
LATCH
AJAR
SW-NO
LATCH
OPEN
GND
15476199
5
1450
LGT_LTCH_GND
1
Ground Distribution
Gnd Zone #14
Page - Gnd Dist - 17
ARE16452
003
GMT900
GM Proprietary
Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI
VASS: 2 Door Modules
1_08_vass_mod2 Panel 5 of 6
2008
GMT900
System Status:
Object Status:

NOTES

- 1 – SWITCHES SHOWN WITH LIFTGATE / GLASS CLOSED.

VASS: 2 Door Modules


BCM
900_bcm_vass_cls_stat3 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL38
LRR_DR_AJ_SW_SIG
BATT
LDI WUD
IDL42
NON_DRV_DR_OPN_SW_SIG
BATT
LDI WUD
IDL39
RRR_DR_AJ_SW_SIG
BATT
LDI WUD
J6-15
J6-16
J6-14
5922. OG 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
748. L-GN/BK 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
747. L-BU/BK 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
Refer To LBEC Page-2
N
294 LR_DR_LK_MTR_UNLK_YE9_43
Refer To LBEC Page-2
N
295 LR_DR_LK_MTR_LK_YE9_43
Refer To LBEC Page-2
N
294 RR_DR_LK_MTR_UNLK_YE9_43
Refer To LBEC Page-2
N
295 RR_DR_LK_MTR_LK_YE9_43
5922. OG 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
13512159 16F GTMXD BODY P489
J489 16M GTMXD LRDOOR 13540002
13512159 16F GTMXD BODY P490
J490 16M GTMXD RRDOOR 13540002
N P F S
294. TN 0.8 LRDOOR TWP 7 50 &43&YE9&AN3/DL3
295. GY 0.8 LRDOOR TWP 7 50 &43&YE9&AN3/DL3
747. L-BU/BK 0.35 LRDOOR TWP 7 50 &43&YE9&AN3/DL3
5922. OG 0.35 LRDOOR TWP 7 50 &43&YE9&AN3/DL3
3 4 5
294. TN 0.8 RRDOOR TWP 7 50 &43&YE9&AN3/DL3
295. GY 0.8 RRDOOR TWP 7 50 &43&YE9&AN3/DL3
748. L-GN/BK 0.35 RRDOOR TWP 7 50 &43&YE9&AN3/DL3
5922. OG 0.35 RRDOOR TWP 7 50 &43&YE9&AN3/DL3
6 1 2
Latch-Global Rear Left
900_latch_global_lr 001
UPC FNA
10768369
Latch-Global Rear Right
900_latch_global_rr001
UPC FNA
10768369
MOTOR W/PTC
M
DOOR LOCK
SW-NO LATCH
DOOR AJAR
SW-NO LATCH
DOOR OPEN
GND
2 6
5 3
1150. BK 0.35 LRDOOR TWP 7 50 &43&YE9&AN3/DL3
13540002 16M GTMXD LRDOOR M J489
M P489 16F GTMXD BODY 13512159
1150. BK 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
LRAJAR_GND
Ground Distribution Gnd Zone #11 Page-Gnd Dist-14
1250. BK 0.35 RRDOOR TWP 7 50 &43&YE9&AN3/DL3
13540002 16M GTMXD RRDOOR M J490
M P490 16F GTMXD BODY 13512159
1250. BK 0.35 BODY TWP 7 50 &43&YE9&AN3/DL3
1250 RRAJAR_GND3
Ground Distribution Gnd Zone #12 Page-Gnd Dist-15
PICKUP ONLY

ARE16452
003
GMT900
GM Proprietary

Wednesday, October 11, 2006
2:34:14 pm 10
IEC/ESI

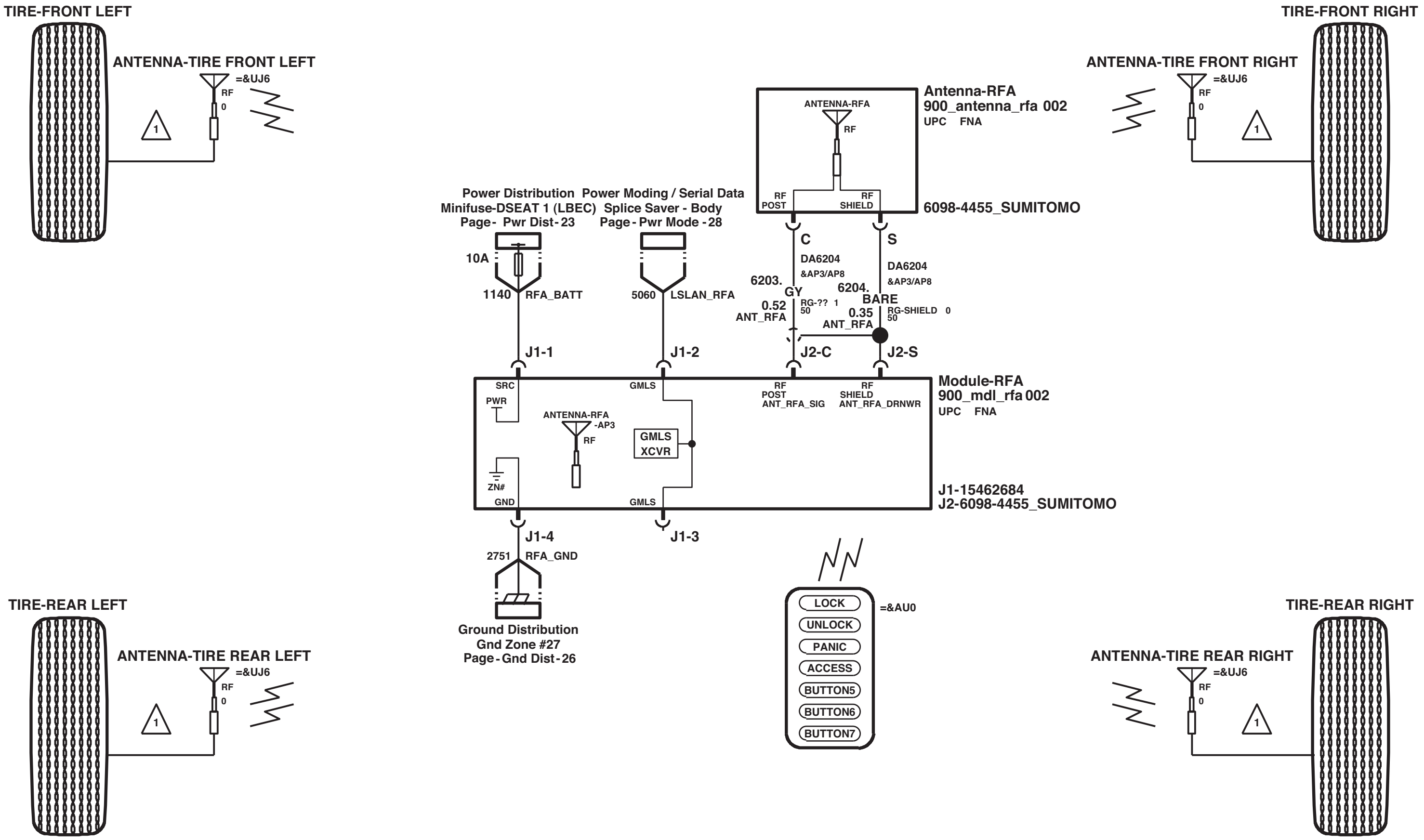
VASS: 2 Door Modules

1_08_vass_mod2 Panel 6 of 6

2008
GMT900

System Status: Object Status:

VASS: Remote Function Actuator – Tire Pressure Monitor


TIRE-FRONT LEFT
ANTENNA-TIRE FRONT LEFT
=&UJ6
RF
0
1
TIRE-FRONT RIGHT
ANTENNA-TIRE FRONT RIGHT
=&UJ6
RF
0
1
Antenna-RFA
900_antenna_rfa 002
UPC FNA
ANTENNA-RFA
RF
RF POST
RF SHIELD
6098-4455_SUMITOMO
Power Distribution
Minifuse-DSEAT 1 (LBEC)
Page- Pwr Dist-23
Power Moding / Serial Data
Splice Saver - Body
Page-Pwr Mode-28
10A
1140 RFA_BATT
5060 LSLAN_RFA
C
DA6204
&AP3/AP8
6203.
GY
0.52
ANT_RFA
RG-?? 1
50
S
DA6204
&AP3/AP8
6204.
BARE
0.35
ANT_RFA
RG-SHIELD 0
50
J1-1
J1-2
J2-C
J2-S
SRC
PWR
GMLS
RF POST ANT_RFA_SIG
RF SHIELD ANT_RFA_DRNWR
ANTENNA-RFA -AP3
RF
GMLS XCVR
ZN#
GND
GMLS
Module-RFA
900_mdl_rfa 002
UPC FNA
J1-15462684
J2-6098-4455_SUMITOMO
J1-4
J1-3
2751 RFA_GND
Ground Distribution
Gnd Zone #27
Page-Gnd Dist-26
LOCK
UNLOCK
PANIC
ACCESS
BUTTON5
BUTTON6
BUTTON7
=&AU0
TIRE-REAR LEFT
ANTENNA-TIRE REAR LEFT
=&UJ6
RF
0
1
TIRE-REAR RIGHT
ANTENNA-TIRE REAR RIGHT
=&UJ6
RF
0
1

NOTES

- 1 – TIRE ANTENNAS SHOWN FOR FUNCTIONALITY. INTERNAL TO VALVE STEM.
- 2 – SPARES & DUALIES NOT MONITORED.

• TIRE PRESSURE MONITORING ON VEHICLES BELOW 10,000 GVWR FOR GMT900.

ARE16453
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:08:29 am 3
IEC/ESI

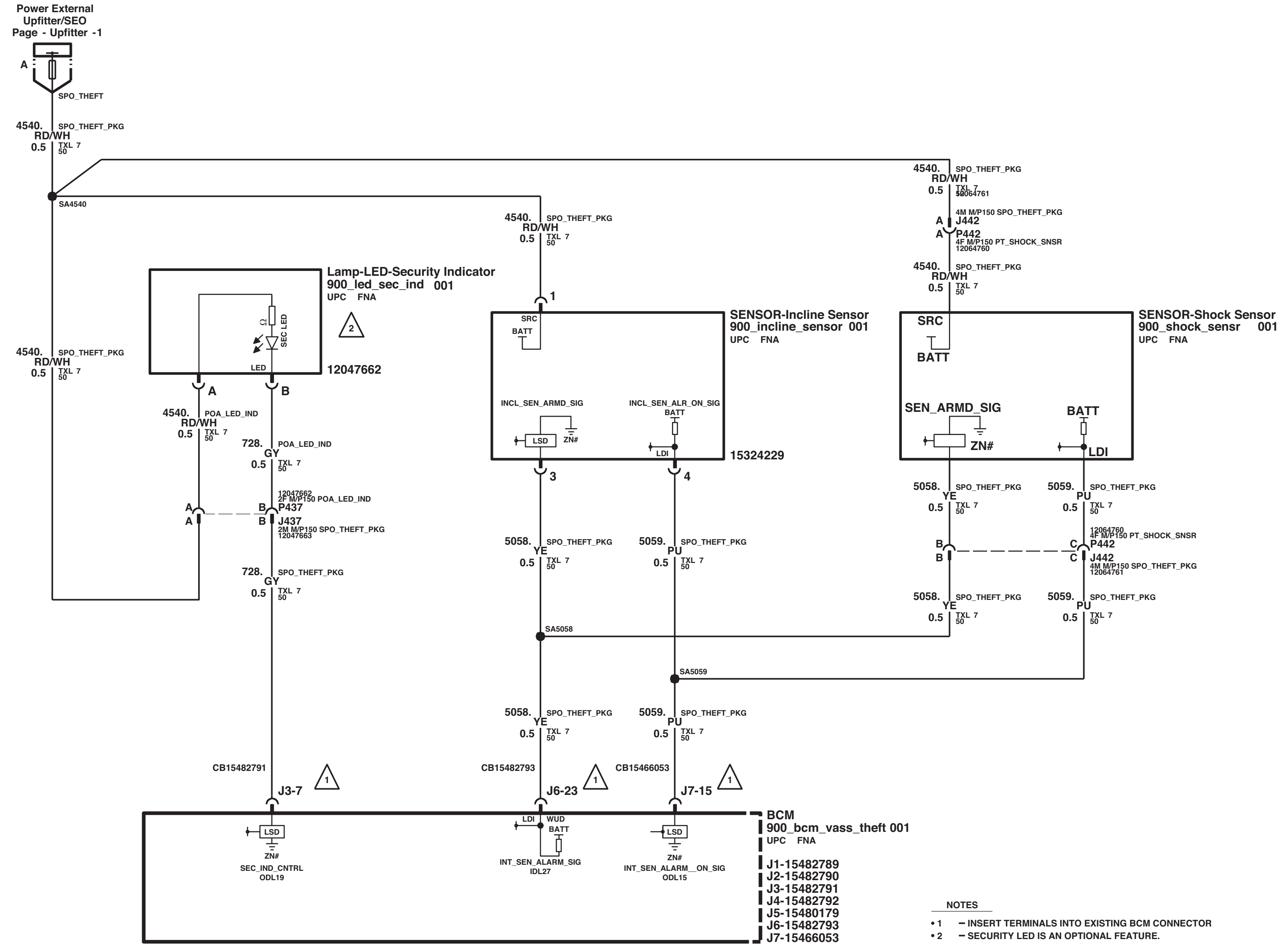
VASS: Remote Function Actuator - Tire Pressure Monitor

1_08_vass_rfa_tire Panel 1 of 1

&AU0/UJ6

2008
GMT900
IVER
System Status: Object Status:

VASS: SPO Theft


Power External
Upfitter/SEO
Page - Upfitter -1
A
SPO_THEFT
4540. SPO_THEFT_PKG
RD/WH
0.5 TXL 7
50
SA4540
4540. SPO_THEFT_PKG
RD/WH
0.5 TXL 7
50
Lamp-LED-Security Indicator
900_led_sec_ind 001
UPC FNA
2
SEC LED
LED
12047662
A
B
4540. POA_LED_IND
RD/WH
0.5 TXL 7
50
728. POA_LED_IND
GY
0.5 TXL 7
50
12047662
2F M/P150 POA_LED_IND
A
B P437
A
B J437
2M M/P150 SPO_THEFT_PKG
12047663
728. SPO_THEFT_PKG
GY
0.5 TXL 7
50
4540. SPO_THEFT_PKG
RD/WH
0.5 TXL 7
50
1
SRC
BATT
SENSOR-Incline Sensor
900_incline_sensor 001
UPC FNA
INCL_SEN_ARMD_SIG
INCL_SEN_ALR_ON_SIG
BATT
LSD
ZN#
LDI
15324229
3
4
5058. SPO_THEFT_PKG
YE
0.5 TXL 7
50
5059. SPO_THEFT_PKG
PU
0.5 TXL 7
50
SA5058
SA5059
5058. SPO_THEFT_PKG
YE
0.5 TXL 7
50
5059. SPO_THEFT_PKG
PU
0.5 TXL 7
50
4540. SPO_THEFT_PKG
RD/WH
0.5 TXL 7
50
12064761
4M M/P150 SPO_THEFT_PKG
A J442
A P442
4F M/P150 PT_SHOCK_SNSR
12064760
4540. SPO_THEFT_PKG
RD/WH
0.5 TXL 7
50
SRC
BATT
SENSOR-Shock Sensor
900_shock_sensr 001
UPC FNA
SEN_ARMD_SIG
BATT
ZN#
LDI
5058. SPO_THEFT_PKG
YE
0.5 TXL 7
50
5059. SPO_THEFT_PKG
PU
0.5 TXL 7
50
12064760
4F M/P150 PT_SHOCK_SNSR
B
C P442
B
C J442
4M M/P150 SPO_THEFT_PKG
12064761
5058. SPO_THEFT_PKG
YE
0.5 TXL 7
50
5059. SPO_THEFT_PKG
PU
0.5 TXL 7
50
CB15482791
1
J3-7
CB15482793
1
J6-23
CB15466053
1
J7-15
LSD
ZN#
SEC_IND_CNTRL
ODL19
LDI
WUD
BATT
INT_SEN_ALARM_SIG
IDL27
LSD
ZN#
INT_SEN_ALARM__ON_SIG
ODL15
BCM
900_bcm_vass_theft 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES

- 1 – INSERT TERMINALS INTO EXISTING BCM CONNECTOR
- 2 – SECURITY LED IS AN OPTIONAL FEATURE.

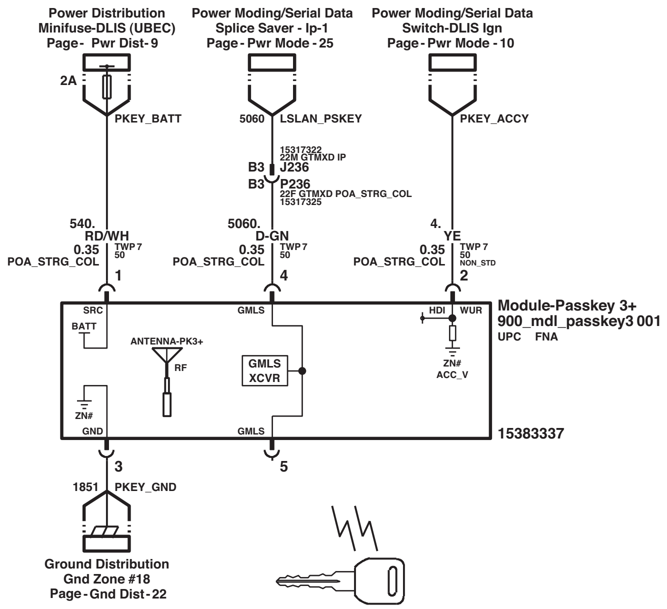
ARE74258
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:17:33 am 3
IEC/ESI

VASS: SPO Theft
1_08_vass_spo_theft Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

VASS: SPO Theft (Drive Away)


Power Distribution
Minifuse-DLIS (UBEC)
Page - Pwr Dist - 9
2A
PKEY_BATT
540.
RD/WH
0.35
TWP 7
50
POA_STRG_COL
1
Power Moding/Serial Data
Splice Saver - Ip-1
Page - Pwr Mode - 25
5060
LSLAN_PSKEY
15317322
22M GTMXD IP
B3
J236
B3
P236
22F GTMXD POA_STRG_COL
15317325
5060.
D-GN
0.35
TWP 7
50
POA_STRG_COL
4
Power Moding/Serial Data
Switch-DLIS Ign
Page - Pwr Mode - 10
PKEY_ACCY
4.
YE
0.35
TWP 7
50
NON_STD
POA_STRG_COL
2
SRC
BATT
ANTENNA-PK3+
RF
GMLS
GMLS
XCVR
HDI
WUR
ZN#
ACC_V
ZN#
GND
GMLS
Module-Passkey 3+
900_mdl_passkey3 001
UPC FNA
15383337
3
5
1851
PKEY_GND
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22

ARE16454
003
GMT900
GM Proprietary

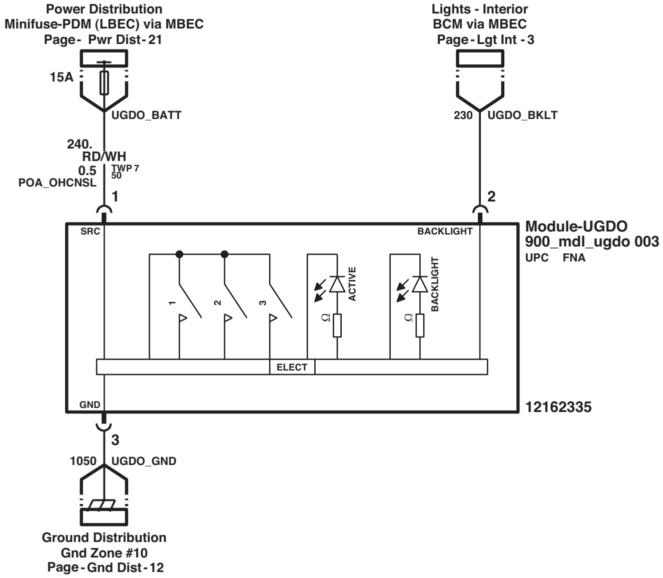
Tuesday, August 22, 2006
9:08:33 am 3
IEC/ESI

VASS: Theft (Drive Away)

1_08_vass_theft_drv Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

VASS: Universal Garage Door Opener


Power Distribution
Minifuse-PDM (LBEC) via MBEC
Page- Pwr Dist-21
15A
UGDO_BATT
240.
RD/WH
0.5
TWP 7
50
POA_OHCNSL
1
Lights - Interior
BCM via MBEC
Page-Lgt Int -3
230
UGDO_BKLT
2
Module-UGDO
900_mdl_ugdo 003
UPC FNA
SRC
BACKLIGHT
1
2
3
ACTIVE
BACKLIGHT
ELECT
GND
12162335
3
1050
UGDO_GND
Ground Distribution
Gnd Zone #10
Page-Gnd Dist-12

• **AVAILABLE ON 06/36/43&YE9**

ARE16455
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:08:40 am 3
IEC/ESI

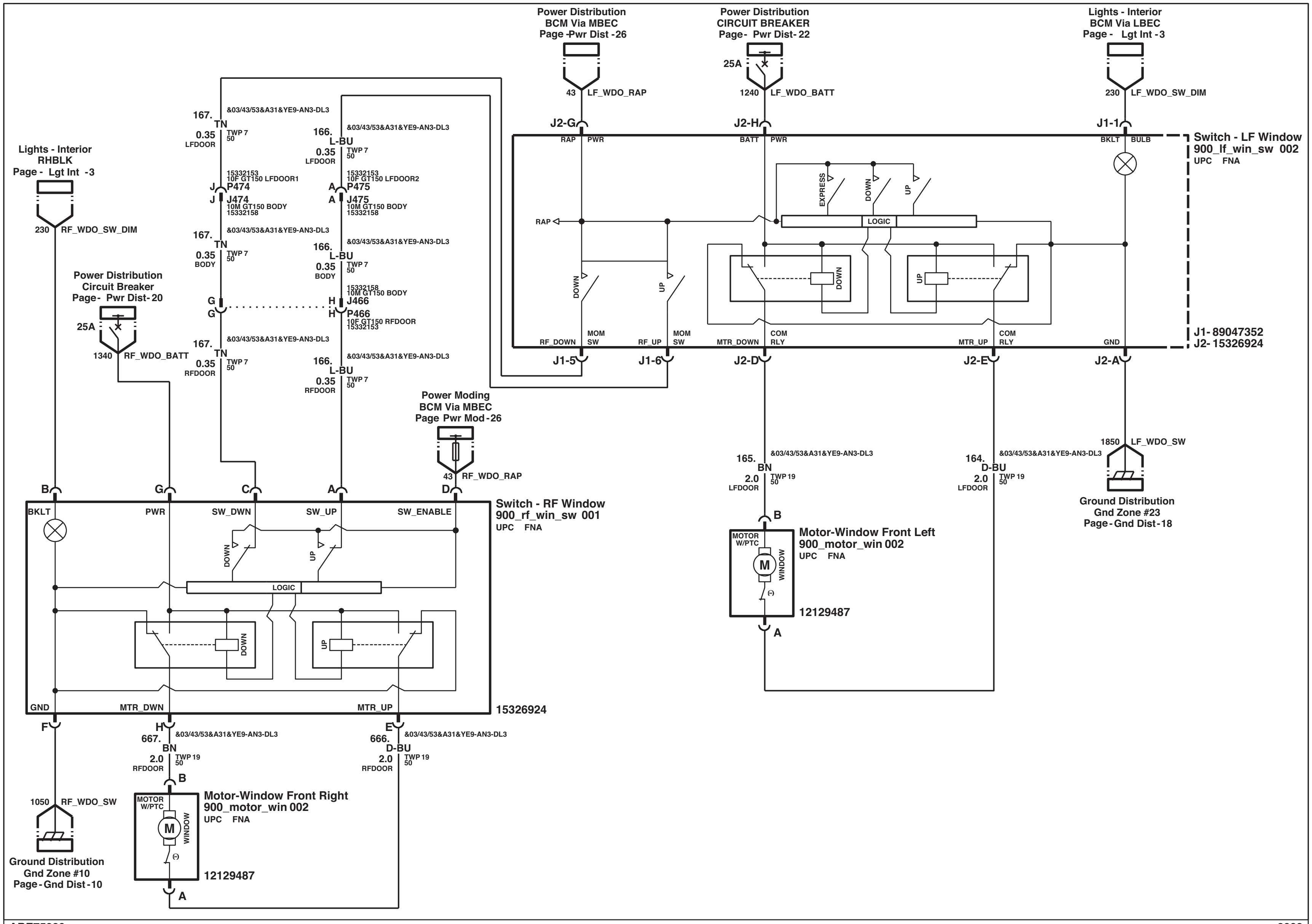
VASS: Universal Garage Door Opener

1_08_vass_ugdo Panel 1 of 1

&UG1

2008
GMT900
IVER
System Status: Object Status:

Windows: Express Down No Door Modules


Power Distribution
BCM Via MBEC
Page -Pwr Dist -26
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Power Distribution
CIRCUIT BREAKER
Page - Pwr Dist- 22
25A
1240 LF_WDO_BATT
Lights - Interior
BCM Via LBEC
Page - Lgt Int -3
230 LF_WDO_SW_DIM
J2-G
J2-H
J1-1
RAP PWR
BATT PWR
BKLT BULB
Switch - LF Window
900_lf_win_sw 002
UPC FNA
EXPRESS
DOWN
UP
LOGIC
RAP
DOWN
UP
DOWN
UP
RF_DOWN MOM SW
RF_UP MOM SW
MTR_DOWN COM RLY
MTR_UP COM RLY
GND
J1- 89047352
J2- 15326924
J1-5
J1-6
J2-D
J2-E
J2-A
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&03/43/53&A31&YE9-AN3-DL3
166. L-BU 0.35 LFDOOR TWP 7 50
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J P474
J J474 10M GT150 BODY 15332158
15332153 10F GT150 LFDOOR2
A P475
A J475 10M GT150 BODY 15332158
167. TN 0.35 BODY TWP 7 50
166. L-BU 0.35 BODY TWP 7 50
G G
15332158 10M GT150 BODY
H J466
H P466 10F GT150 RFDOOR 15332153
167. TN 0.35 RFDOOR TWP 7 50
166. L-BU 0.35 RFDOOR TWP 7 50
Lights - Interior
RHBLK
Page - Lgt Int -3
230 RF_WDO_SW_DIM
Power Distribution
Circuit Breaker
Page - Pwr Dist- 20
25A
1340 RF_WDO_BATT
Power Moding
BCM Via MBEC
Page Pwr Mod -26
43 RF_WDO_RAP
B G C A D
BKLT PWR SW_DWN SW_UP SW_ENABLE
Switch - RF Window
900_rf_win_sw 001
UPC FNA
DOWN
UP
LOGIC
DOWN
UP
GND MTR_DWN MTR_UP
15326924
F H E
667. BN 2.0 RFDOOR TWP 19 50
&03/43/53&A31&YE9-AN3-DL3
666. D-BU 2.0 RFDOOR TWP 19 50
1050 RF_WDO_SW
Ground Distribution
Gnd Zone #10
Page - Gnd Dist -10
B
MOTOR W/PTC
M
WINDOW
Motor-Window Front Right
900_motor_win 002
UPC FNA
12129487
A
165. BN 2.0 LFDOOR TWP 19 50
164. D-BU 2.0 LFDOOR TWP 19 50
1850 LF_WDO_SW
Ground Distribution
Gnd Zone #23
Page - Gnd Dist -18
B
MOTOR W/PTC
M
WINDOW
Motor-Window Front Left
900_motor_win 002
UPC FNA
12129487
A

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Tuesday, August 22, 2006
9:18:06 am 3
IEC/ESI

Windows: Express Down No Door Modules
1_08_win_mod0_xud Panel 1 of 3

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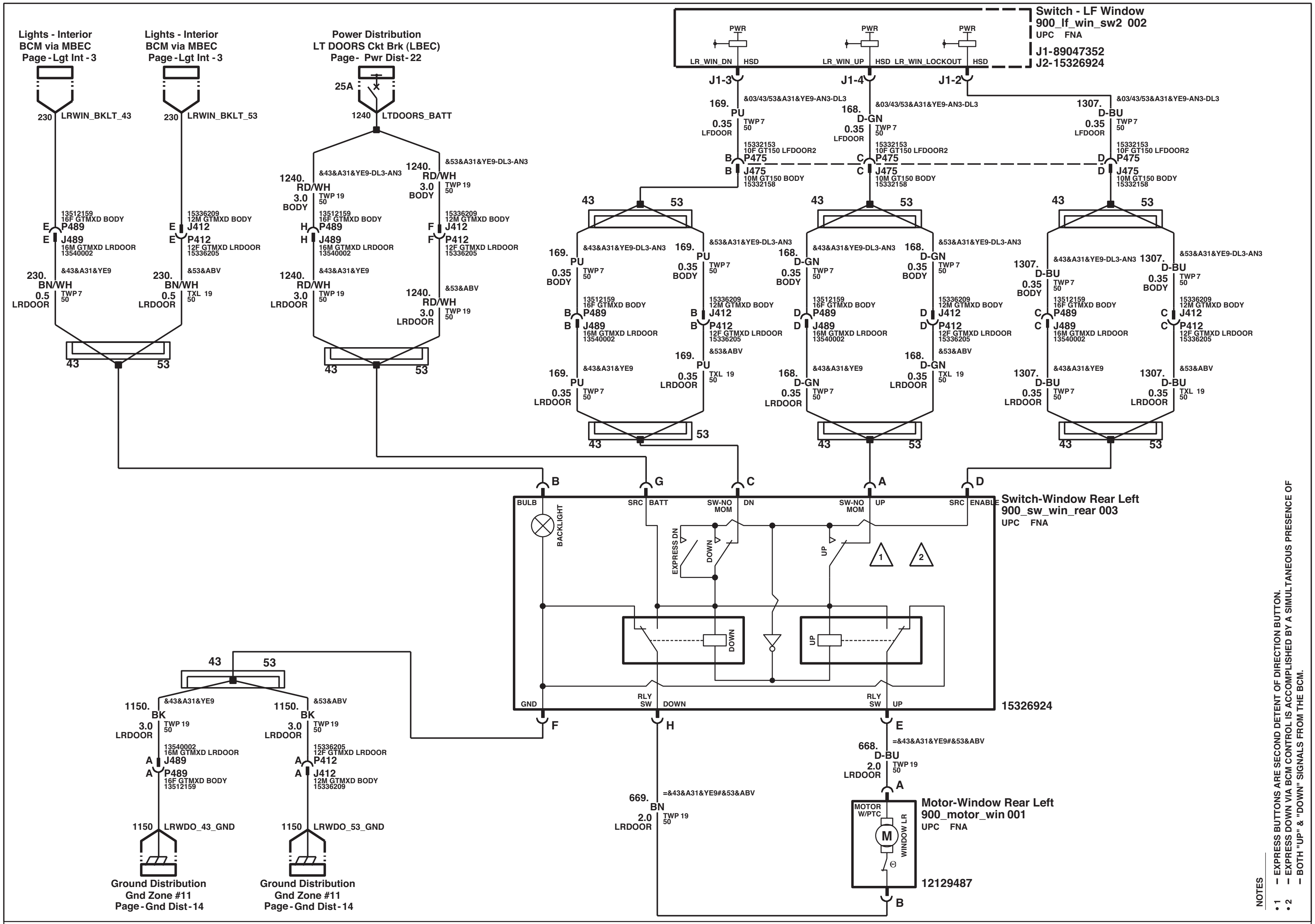
GMT900
IVER
System Status: Object Status:

Windows: Express Down No Door Modules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1240 LTDOORS_BATT
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900_lf_win_sw2 002
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J2-15326924
PWR
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LR_WIN_UP HSD
LR_WIN_LOCKOUT HSD
J1-3
J1-4
J1-2
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168. D-GN 0.35 LFDOOR TWP 7 50
1307. D-BU 0.35 LFDOOR TWP 7 50
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P475
J475 10M GT150 BODY 15332158
13512159 16F GTMXD BODY
P489
J489 16M GTMXD LRDOOR 13540002
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J412
P412 12F GTMXD LRDOOR 15336205
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&53&A31&YE9-DL3-AN3
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&53&ABV
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230. BN/WH 0.5 LRDOOR TXL 19 50
1240. RD/WH 3.0 BODY TWP 19 50
1240. RD/WH 3.0 LRDOOR TWP 19 50
169. PU 0.35 BODY
169. PU 0.35 LRDOOR TXL 19 50
168. D-GN 0.35 BODY
168. D-GN 0.35 LRDOOR
1307. D-BU 0.35 BODY
1307. D-BU 0.35 LRDOOR
43
53
B G C A D
Switch-Window Rear Left
900_sw_win_rear 003
UPC FNA
BULB
SRC BATT
SW-NO MOM DN
SW-NO MOM UP
SRC ENABLE
BACKLIGHT
EXPRESS DN
DOWN
UP
1
2
GND
RLY SW DOWN
RLY SW UP
15326924
F H E
1150. BK 3.0 LRDOOR TWP 19 50
13540002 16M GTMXD LRDOOR
J489
P489 16F GTMXD BODY 13512159
15336205 12F GTMXD LRDOOR
P412
J412 12M GTMXD BODY 15336209
1150 LRWDO_43_GND
1150 LRWDO_53_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14
669. BN 2.0 LRDOOR TWP 19 50
=&43&A31&YE9#&53&ABV
668. D-BU 2.0 LRDOOR TWP 19 50
A
B
Motor-Window Rear Left
900_motor_win 001
UPC FNA
MOTOR W/PTC
M
WINDOW LR
12129487

NOTES

- 1 – EXPRESS BUTTONS ARE SECOND DETENT OF DIRECTION BUTTON.
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Tuesday, August 22, 2006
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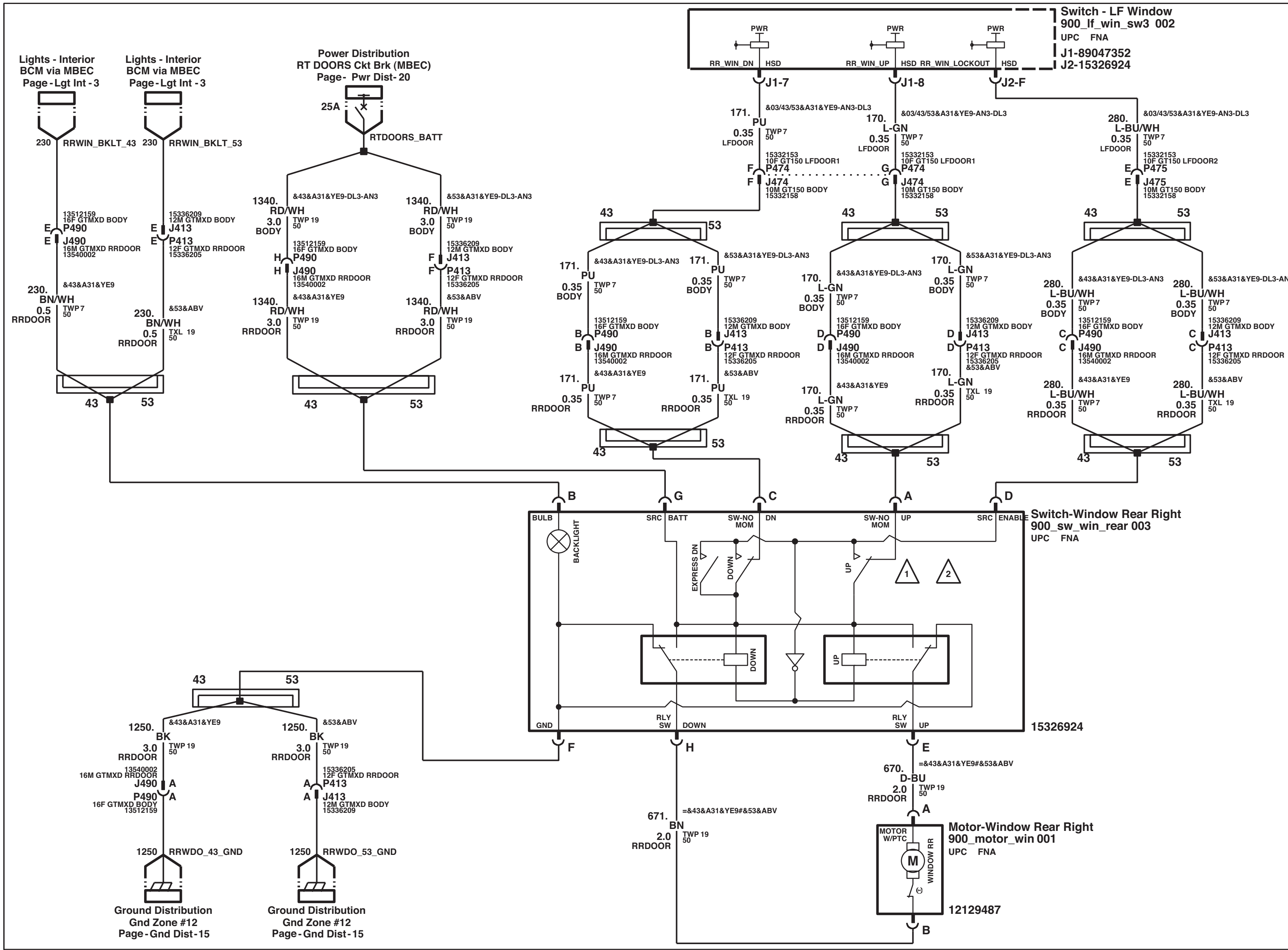
Windows: Express Down No Door Modules

1_08_win_mod0_xud Panel 2 of 3

2008
GMT900
IVER
System Status: Object Status:

Windows: Express Down No Door Modules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J2-15326924
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HSD
RR_WIN_UP
HSD
RR_WIN_LOCKOUT
HSD
J1-7
J1-8
J2-F
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
Power Distribution
RT DOORS Ckt Brk (MBEC)
Page- Pwr Dist- 20
25A
RTDOORS_BATT
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230 RRWIN_BKLT_53
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&03/43/53&A31&YE9-AN3-DL3
15332153 10F GT150 LFDOOR1
15332153 10F GT150 LFDOOR2
P474
J474
P475
J475
10M GT150 BODY 15332158
P490
J490
P413
J413
13512159 16F GTMXD BODY
16M GTMXD RRDOOR 13540002
15336209 12M GTMXD BODY
12F GTMXD RRDOOR 15336205
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TWP 7 50
TXL 19 50
TWP 19 50
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&53&ABV
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53
Switch-Window Rear Right
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BULB
BACKLIGHT
SRC BATT
SW-NO MOM
DN
UP
SRC ENABLE
EXPRESS DN
DOWN
UP
1
2
GND
RLY SW
DOWN
RLY SW
UP
15326924
B
G
C
A
D
F
H
E
1250. BK 3.0 RRDOOR
1250 RRWDO_43_GND
1250 RRWDO_53_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15
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=&43&A31&YE9#&53&ABV
670. D-BU 2.0 RRDOOR
Motor-Window Rear Right
900_motor_win 001
UPC FNA
MOTOR W/PTC
M
WINDOW RR
12129487

NOTES

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Windows: Express Down No Door Modules

1_08_win_mod0_xud Panel 3 of 3

2008
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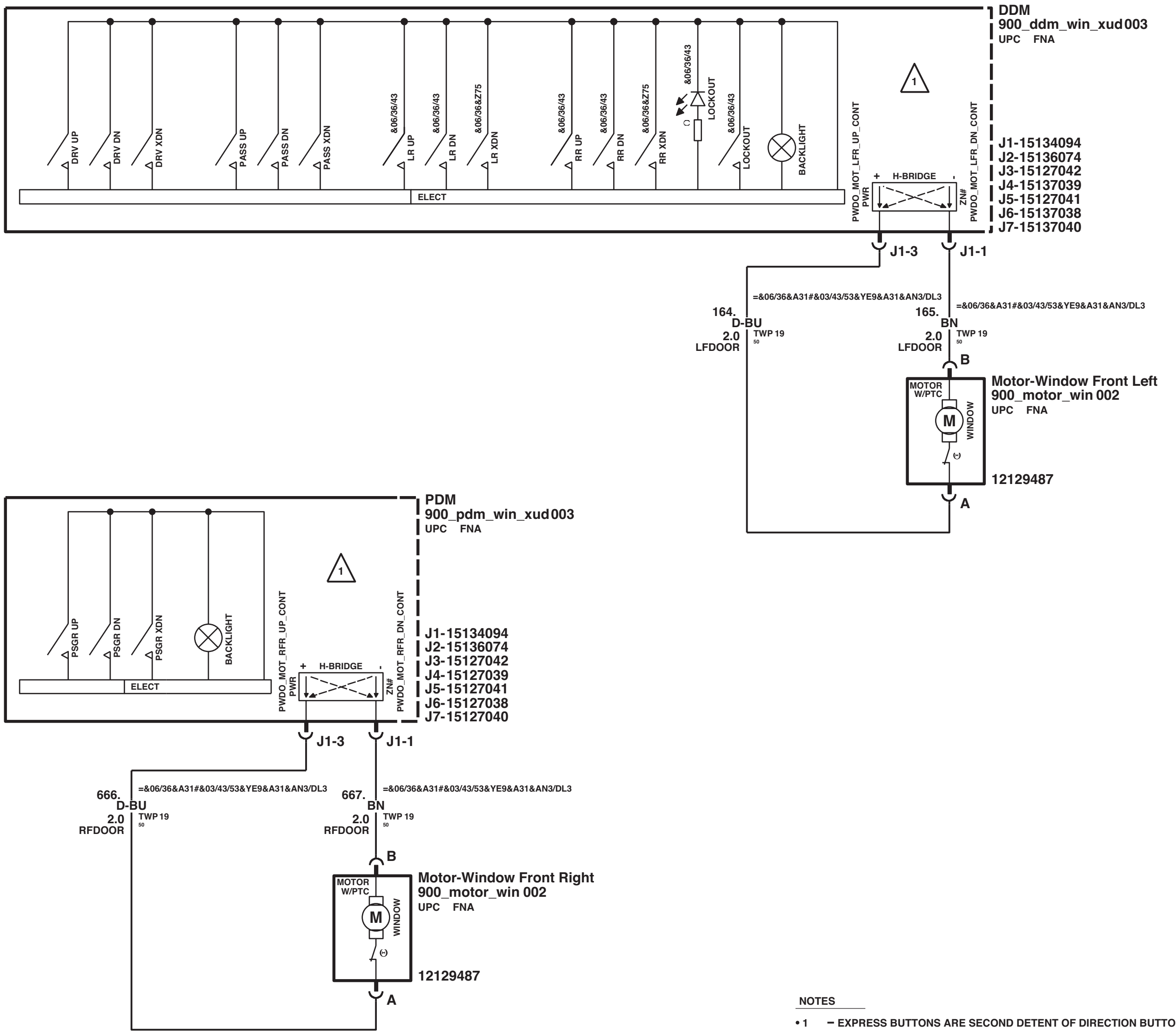
System Status: Object Status:

Windows: Express Down 2 Door Modules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DRV DN
DRV XDN
PASS UP
PASS DN
PASS XDN
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&06/36&Z75
LR XDN
&06/36/43
RR UP
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RR DN
&06/36&Z75
RR XDN
&06/36/43
LOCKOUT
&06/36/43
LOCKOUT
BACKLIGHT
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PWR
+ H-BRIDGE -
ZN#
PWDO_MOT_LFR_DN_CONT
J1-15134094
J2-15136074
J3-15127042
J4-15137039
J5-15127041
J6-15137038
J7-15137040
J1-3
J1-1
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D-BU
2.0
LFDOOR
TWP 19
50
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BN
2.0
LFDOOR
TWP 19
50
B
Motor-Window Front Left
900_motor_win 002
UPC FNA
MOTOR W/PTC
M
WINDOW
12129487
A
PDM
900_pdm_win_xud003
UPC FNA
PSGR UP
PSGR DN
PSGR XDN
BACKLIGHT
1
ELECT
PWDO_MOT_RFR_UP_CONT
PWR
+ H-BRIDGE -
ZN#
PWDO_MOT_RFR_DN_CONT
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
J1-3
J1-1
=&06/36&A31#&03/43/53&YE9&A31&AN3/DL3
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D-BU
2.0
RFDOOR
TWP 19
50
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667.
BN
2.0
RFDOOR
TWP 19
50
B
Motor-Window Front Right
900_motor_win 002
UPC FNA
MOTOR W/PTC
M
WINDOW
12129487
A

NOTES

- 1 – EXPRESS BUTTONS ARE SECOND DETENT OF DIRECTION BUTTON.

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Windows: Express Down 2 Door Modules

1_08_win_mod2_xud Panel 1 of 5

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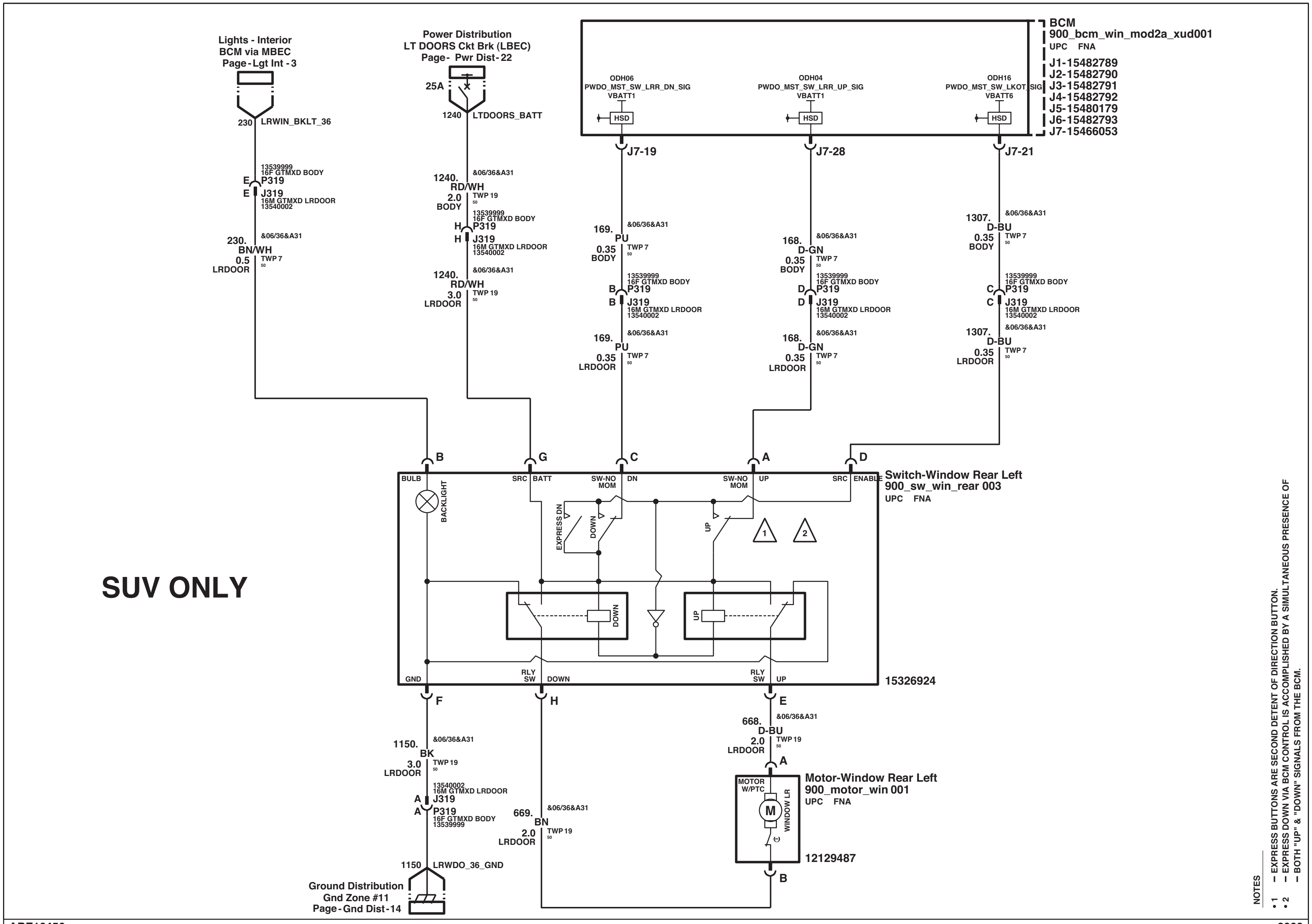
GMT900
IVER
System Status: Object Status:

Windows: Express Down 2 Door Modules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E J319
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13540002
230.
BN/WH
0.5
LRDOOR
&06/36&A31
TWP 7
Power Distribution
LT DOORS Ckt Brk (LBEC)
Page - Pwr Dist - 22
25A
1240 LTDOORS_BATT
1240.
RD/WH
2.0
BODY
TWP 19
H P319
H J319
1240.
RD/WH
3.0
LRDOOR
BCM
900_bcm_win_mod2a_xud001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH06
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VBATT1
HSD
ODH04
PWDO_MST_SW_LRR_UP_SIG
VBATT1
ODH16
PWDO_MST_SW_LKOT_SIG
VBATT6
J7-19
J7-28
J7-21
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PU
0.35
BODY
B P319
B J319
169.
PU
0.35
LRDOOR
168.
D-GN
0.35
BODY
D P319
D J319
168.
D-GN
0.35
LRDOOR
1307.
D-BU
0.35
BODY
C P319
C J319
1307.
D-BU
0.35
LRDOOR
B
G
C
A
D
BULB
BACKLIGHT
SRC
BATT
SW-NO MOM
DN
SW-NO MOM
UP
SRC
ENABLE
EXPRESS DN
DOWN
UP
1
2
DOWN
UP
GND
RLY SW
DOWN
RLY SW
UP
Switch-Window Rear Left
900_sw_win_rear 003
UPC FNA
15326924
SUV ONLY
F
H
E
1150.
BK
3.0
LRDOOR
TWP 19
13540002
16M GTMXD LRDOOR
A J319
A P319
16F GTMXD BODY
13539999
669.
BN
2.0
LRDOOR
668.
D-BU
2.0
LRDOOR
A
MOTOR W/PTC
M
WINDOW LR
Motor-Window Rear Left
900_motor_win 001
UPC FNA
12129487
B
1150 LRWDO_36_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14

NOTES
• 1 – EXPRESS BUTTONS ARE SECOND DETENT OF DIRECTION BUTTON.
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GMT900
GM Proprietary

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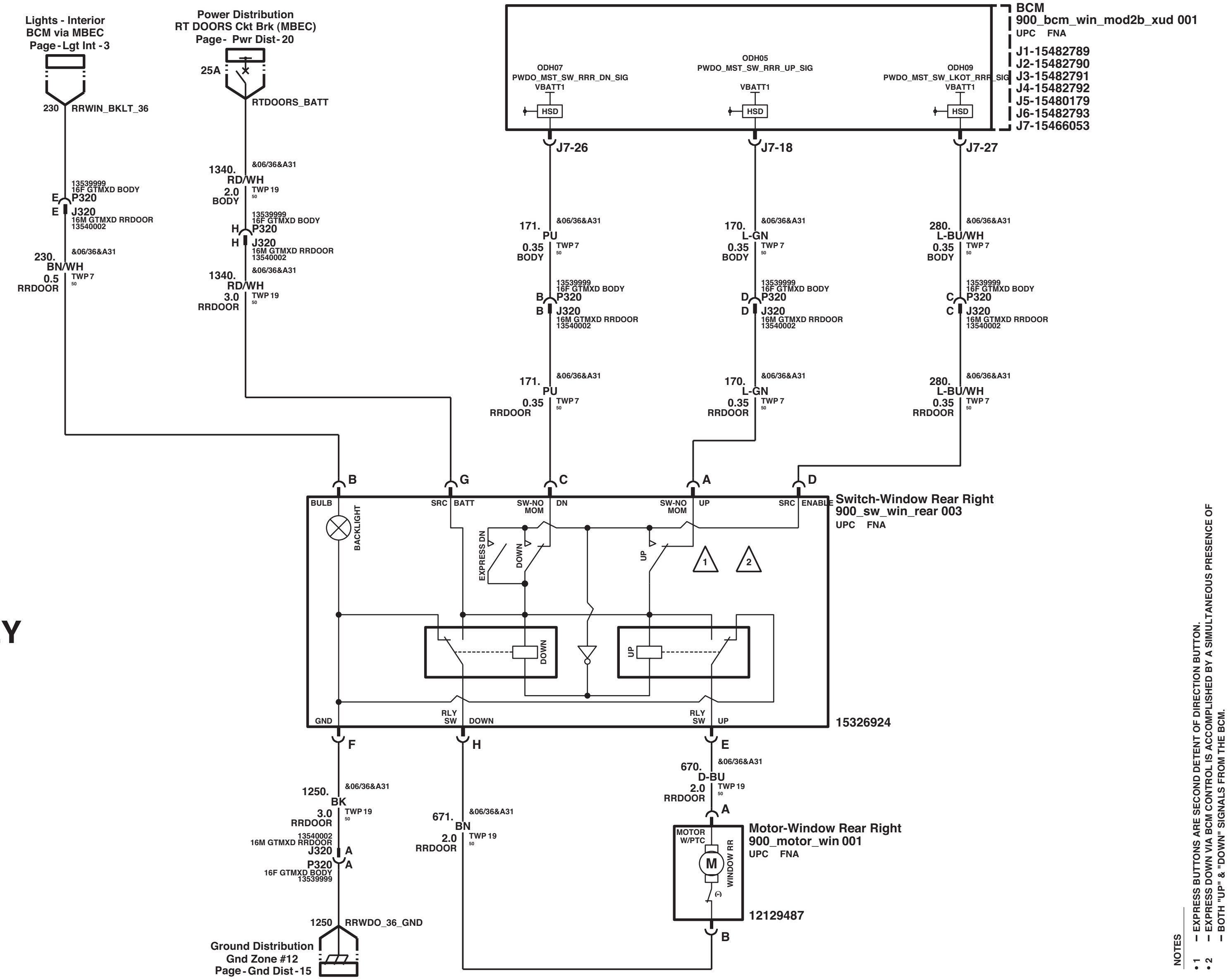
Windows: Express Down 2 Door Modules
1_08_win_mod2_xud Panel 2 of 5

2008
GMT900
IVER
System Status: Object Status:

Windows: Express Down 2 Door Modules

SUV ONLY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E J320
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&06/36&A31
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BN/WH
0.5 TWP 7
RRDOOR
Power Distribution
RT DOORS Ckt Brk (MBEC)
Page - Pwr Dist - 20
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RTDOORS_BATT
&06/36&A31
1340.
RD/WH
2.0 TWP 19
BODY
13539999 16F GTMXD BODY
H P320
H J320
16M GTMXD RRDOOR 13540002
&06/36&A31
1340.
RD/WH
3.0 TWP 19
RRDOOR
BCM
900_bcm_win_mod2b_xud 001
UPC FNA
J1-15482789
J2-15482790
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J4-15482792
J5-15480179
J6-15482793
J7-15466053
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VBATT1
HSD
ODH05
PWDO_MST_SW_RRR_UP_SIG
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J7-18
J7-27
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C P320
C J320
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L-BU/WH
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RRDOOR
B
G
C
A
D
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UPC FNA
BULB
BACKLIGHT
SRC BATT
SW-NO MOM
DN
SW-NO MOM
UP
SRC ENABLE
EXPRESS DN
DOWN
UP
1
2
DOWN
UP
GND
RLY SW DOWN
RLY SW UP
15326924
F
H
E
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BK
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RRDOOR
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P320 A
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BN
2.0 TWP 19
RRDOOR
&06/36&A31
670.
D-BU
2.0 TWP 19
RRDOOR
A
Motor-Window Rear Right
900_motor_win 001
UPC FNA
MOTOR W/PTC
M
WINDOW RR
12129487
B

NOTES
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Windows: Express Down 2 Door Modules
1_08_win_mod2_xud Panel 3 of 5

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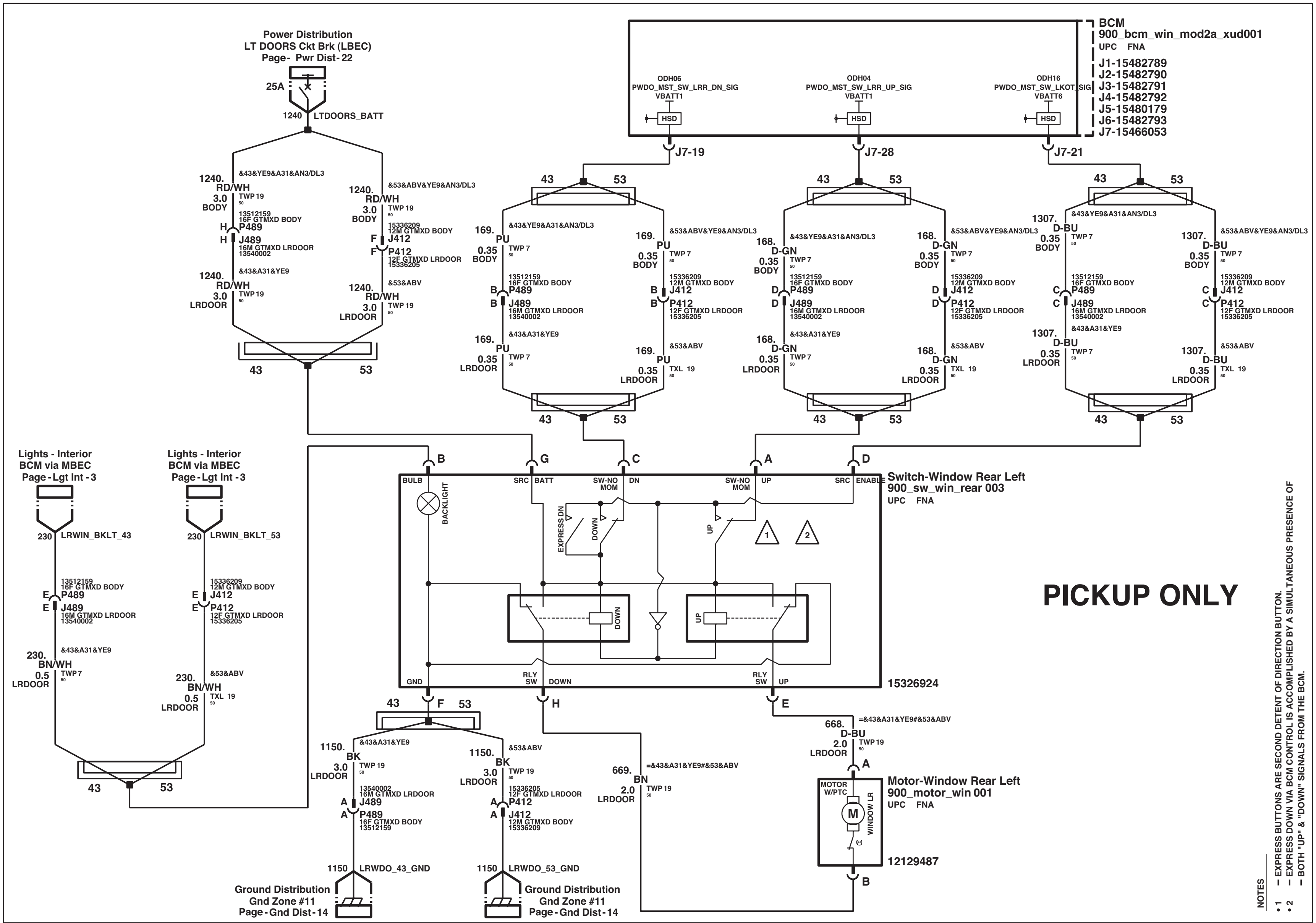
System Status: Object Status:

Windows: Express Down 2 Door Modules


Power Distribution
LT DOORS Ckt Brk (LBEC)
Page - Pwr Dist - 22
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TWP 19
13512159 16F GTMXD BODY
H P489
H J489 16M GTMXD LRDOOR 13540002
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&53&ABV&YE9&AN3/DL3
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15336209 12M GTMXD BODY
F J412
F P412 12F GTMXD LRDOOR 15336205
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53
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J2-15482790
J3-15482791
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J5-15480179
J6-15482793
J7-15466053
ODH06
PWDO_MST_SW_LRR_DN_SIG
VBATT1
HSD
ODH04
PWDO_MST_SW_LRR_UP_SIG
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PWDO_MST_SW_LKOT_SIG
VBATT6
J7-19
J7-28
J7-21
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B P489
B J489
B J412
B P412
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168. D-GN 0.35 LRDOOR
D P489
D J489
D J412
D P412
1307. D-BU 0.35 BODY
1307. D-BU 0.35 LRDOOR
C P489
C J489
C J412
C P412
TWP 7
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
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230 LRWIN_BKLT_53
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E J489
E J412
E P412
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B
G
C
A
D
BULB
SRC BATT
SW-NO MOM
DN
UP
SRC ENABLE
BACKLIGHT
EXPRESS DN
DOWN
UP
1
2
Switch-Window Rear Left
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UPC FNA
GND
RLY SW DOWN
RLY SW UP
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PICKUP ONLY
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H
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&53&ABV
A J489
A P489
A P412
A J412
669. BN 2.0 LRDOOR
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668. D-BU 2.0 LRDOOR
TWP 19
Motor-Window Rear Left
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UPC FNA
MOTOR W/PTC
M
WINDOW LR
12129487
1150 LRWDO_43_GND
1150 LRWDO_53_GND
Ground Distribution
Gnd Zone #11
Page - Gnd Dist - 14

NOTES
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Windows: Express Down 2 Door Modules

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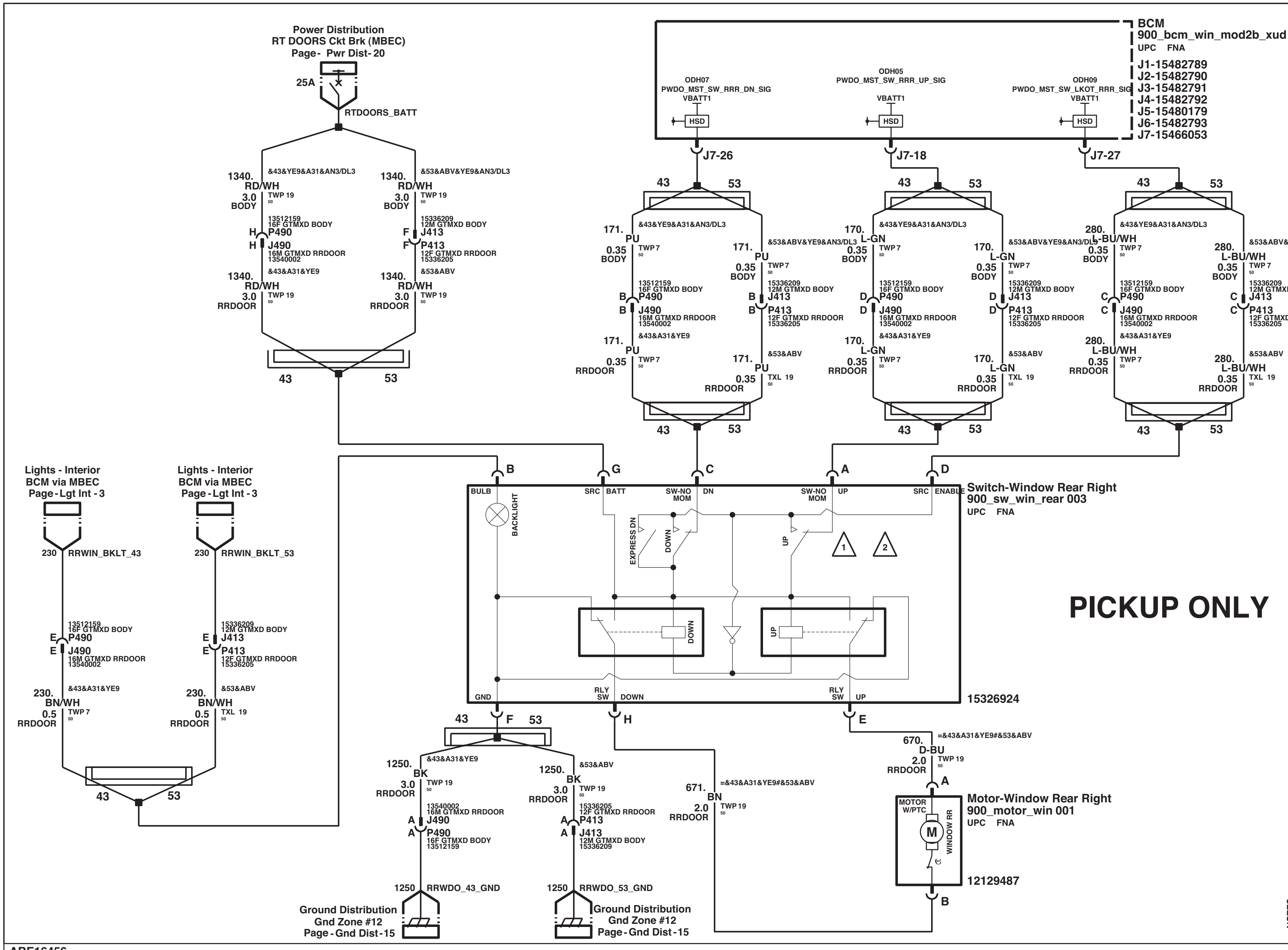

Power Distribution
RT DOORS Ckt Brk (MBEC)
Page - Pwr Dist - 20
25A
RTDOORS_BATT
1340. RD/WH 3.0 BODY TWP 19
&43&YE9&A31&AN3/DL3
&53&ABV&YE9&AN3/DL3
13512159 16F GTMXD BODY
H P490
H J490 16M GTMXD RRDOOR 13540002
15336209 12M GTMXD BODY
F J413
F P413 12F GTMXD RRDOOR 15336205
&43&A31&YE9
&53&ABV
1340. RD/WH 3.0 RRDOOR TWP 19
43
53
BCM
900_bcm_win_mod2b_xud 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH07
PWDO_MST_SW_RRR_DN_SIG
ODH05
PWDO_MST_SW_RRR_UP_SIG
ODH09
PWDO_MST_SW_LKOT_RRR_SIG
VBATT1
HSD
J7-26
J7-18
J7-27
171. PU 0.35 BODY TWP 7
171. PU 0.35 RRDOOR TWP 7
171. PU 0.35 RRDOOR TXL 19
170. L-GN 0.35 BODY TWP 7
170. L-GN 0.35 RRDOOR TWP 7
170. L-GN 0.35 RRDOOR TXL 19
280. L-BU/WH 0.35 BODY TWP 7
280. L-BU/WH 0.35 RRDOOR TWP 7
280. L-BU/WH 0.35 RRDOOR TXL 19
B P490
B J490
B J413
B P413
D P490
D J490
D J413
D P413
C P490
C J490
C J413
C P413
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
230 RRWIN_BKLT_43
230 RRWIN_BKLT_53
E P490
E J490
E J413
E P413
230. BN/WH 0.5 RRDOOR TWP 7
230. BN/WH 0.5 RRDOOR TXL 19
B
G
C
A
D
BULB
BACKLIGHT
SRC BATT
SW-NO MOM DN
SW-NO MOM UP
SRC ENABLE
EXPRESS DN
DOWN
UP
1
2
DOWN
UP
GND
RLY SW DOWN
RLY SW UP
Switch-Window Rear Right
900_sw_win_rear 003
UPC FNA
15326924
PICKUP ONLY
F
H
E
1250. BK 3.0 RRDOOR TWP 19
&43&A31&YE9
&53&ABV
13540002 16M GTMXD RRDOOR
A J490
A P490 16F GTMXD BODY 13512159
15336205 12F GTMXD RRDOOR
A P413
A J413 12M GTMXD BODY 15336209
1250 RRWDO_43_GND
1250 RRWDO_53_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15
671. BN 2.0 RRDOOR TWP 19
=&43&A31&YE9#&53&ABV
670. D-BU 2.0 RRDOOR TWP 19
MOTOR W/PTC
M
WINDOW RR
Motor-Window Rear Right
900_motor_win 001
UPC FNA
12129487
A
B

NOTES

- 1 – EXPRESS BUTTONS ARE SECOND DETENT OF DIRECTION BUTTON.
- 2 – EXPRESS DOWN VIA BCM CONTROL IS ACCOMPLISHED BY A SIMULTANEOUS PRESENCE OF – BOTH "UP" & "DOWN" SIGNALS FROM THE BCM.

ARE16456
003
GMT900
GM Proprietary

Monday, September 18, 2006
10:51:18 am 5
IEC/ESI

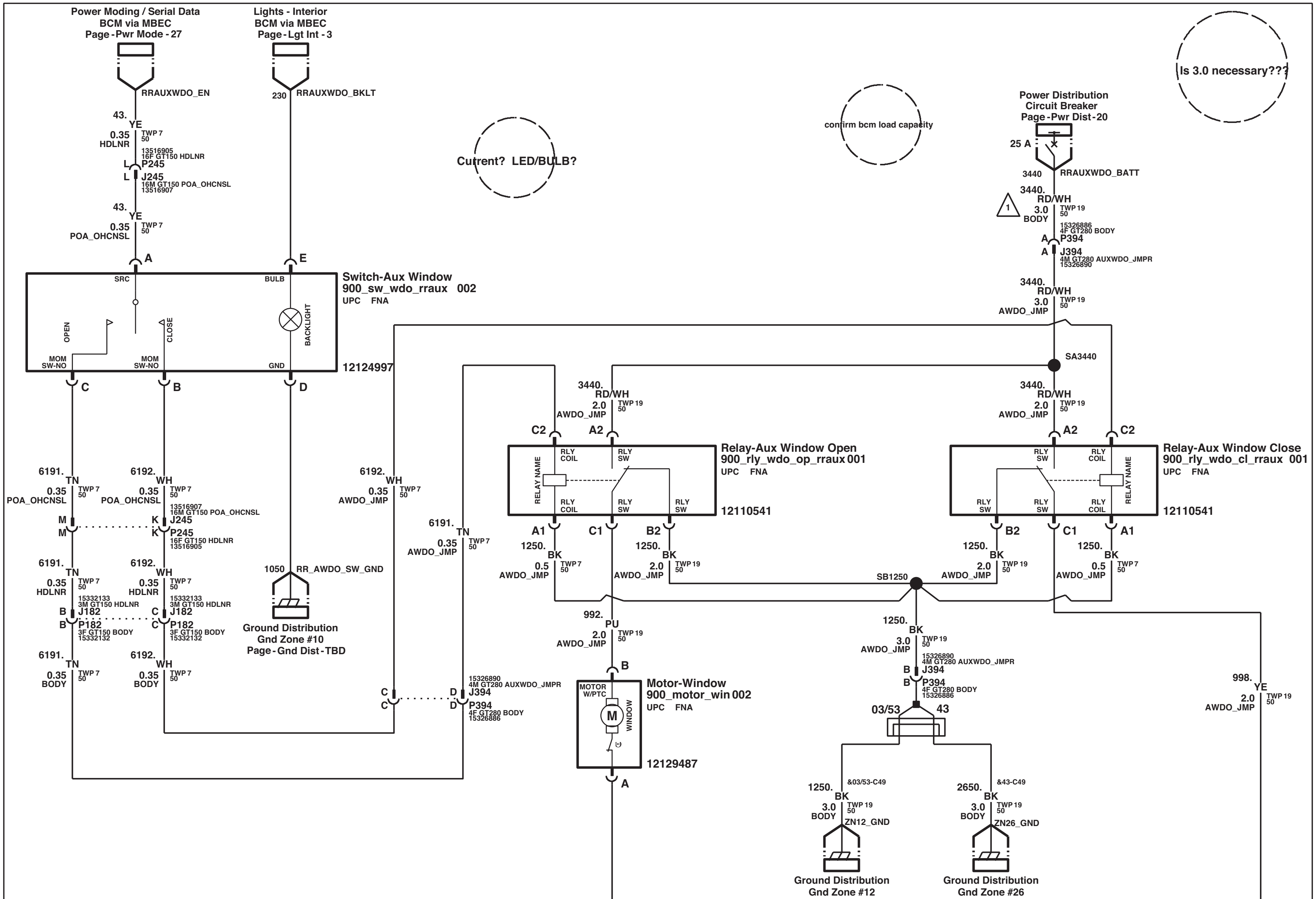
Windows: Express Down 2 Door Modules

1_08_win_mod2_xud Panel 5 of 5

2008
GMT900
IVER

System Status: Object Status:

Windows: Aux Rear


Power Moding / Serial Data
BCM via MBEC
Page - Pwr Mode - 27
RRAUXWDO_EN
43.
YE
0.35
HDLNR
TWP 7
50
13516905
16F GT150 HDLNR
L
P245
L
J245
16M GT150 POA_OHCNSL
13516907
43.
YE
0.35
POA_OHCNSL
TWP 7
50
A
Lights - Interior
BCM via MBEC
Page - Lgt Int - 3
230
RRAUXWDO_BKLT
E
Switch-Aux Window
900_sw_wdo_rraux 002
UPC FNA
SRC
BULB
OPEN
CLOSE
BACKLIGHT
MOM
SW-NO
MOM
SW-NO
GND
12124997
C
B
D
6191.
TN
0.35
POA_OHCNSL
TWP 7
50
6192.
WH
0.35
POA_OHCNSL
TWP 7
50
13516907
16M GT150 POA_OHCNSL
M
M
K
J245
K
P245
16F GT150 HDLNR
13516905
6191.
TN
0.35
HDLNR
TWP 7
50
15332133
3M GT150 HDLNR
B
J182
B
P182
3F GT150 BODY
15332132
6192.
WH
0.35
HDLNR
TWP 7
50
15332133
3M GT150 HDLNR
C
J182
C
P182
3F GT150 BODY
15332132
6191.
TN
0.35
BODY
TWP 7
50
6192.
WH
0.35
BODY
TWP 7
50
1050
RR_AWDO_SW_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist - TBD
6192.
WH
0.35
AWDO_JMP
TWP 7
50
6191.
TN
0.35
AWDO_JMP
TWP 7
50
C
C
D
J394
D
P394
15326890
4M GT280 AUXWDO_JMPR
4F GT280 BODY
15326886
Current? LED/BULB?
confirm bcm load capacity
Is 3.0 necessary???
Power Distribution
Circuit Breaker
Page - Pwr Dist - 20
25 A
3440
RRAUXWDO_BATT
3440.
RD/WH
1
3.0
BODY
TWP 19
50
15326886
4F GT280 BODY
A
P394
A
J394
4M GT280 AUXWDO_JMPR
15326890
3440.
RD/WH
3.0
AWDO_JMP
TWP 19
50
SA3440
3440.
RD/WH
2.0
AWDO_JMP
TWP 19
50
C2
A2
Relay-Aux Window Open
900_rly_wdo_op_rraux 001
UPC FNA
RELAY NAME
RLY
COIL
RLY
SW
RLY
COIL
RLY
SW
RLY
SW
12110541
A1
C1
B2
1250.
BK
0.5
AWDO_JMP
TWP 7
50
1250.
BK
2.0
AWDO_JMP
TWP 19
50
AWDO_JMP
992.
PU
2.0
AWDO_JMP
TWP 19
50
B
Motor-Window
900_motor_win 002
UPC FNA
MOTOR
W/PTC
M
WINDOW
12129487
A
3440.
RD/WH
2.0
AWDO_JMP
TWP 19
50
A2
C2
Relay-Aux Window Close
900_rly_wdo_cl_rraux 001
UPC FNA
RLY
SW
RLY
COIL
RELAY NAME
RLY
SW
RLY
SW
RLY
COIL
12110541
B2
C1
A1
1250.
BK
2.0
AWDO_JMP
TWP 19
50
1250.
BK
0.5
AWDO_JMP
TWP 7
50
SB1250
1250.
BK
3.0
AWDO_JMP
TWP 19
50
15326890
4M GT280 AUXWDO_JMPR
B
J394
B
P394
4F GT280 BODY
15326886
03/53
43
1250.
BK
3.0
BODY
TWP 19
50
&03/53-C49
ZN12_GND
Ground Distribution
Gnd Zone #12
Page - Gnd Dist - 15
2650.
BK
3.0
BODY
TWP 19
50
&43-C49
ZN26_GND
Ground Distribution
Gnd Zone #26
Page - Gnd Dist - 24
998.
YE
2.0
AWDO_JMP
TWP 19
50

• 1 – WHILE POWER FEED IS 3.0 GAGE DUE TO LENGTH, GROUND WIRE CAN BE 2.0 GAGE AS
– IT HAS A MUCH SHORTER LENGTH AND IS STILL PROTECTED BY 30A FUSE.

ARE16457
003
GMT900
GM Proprietary

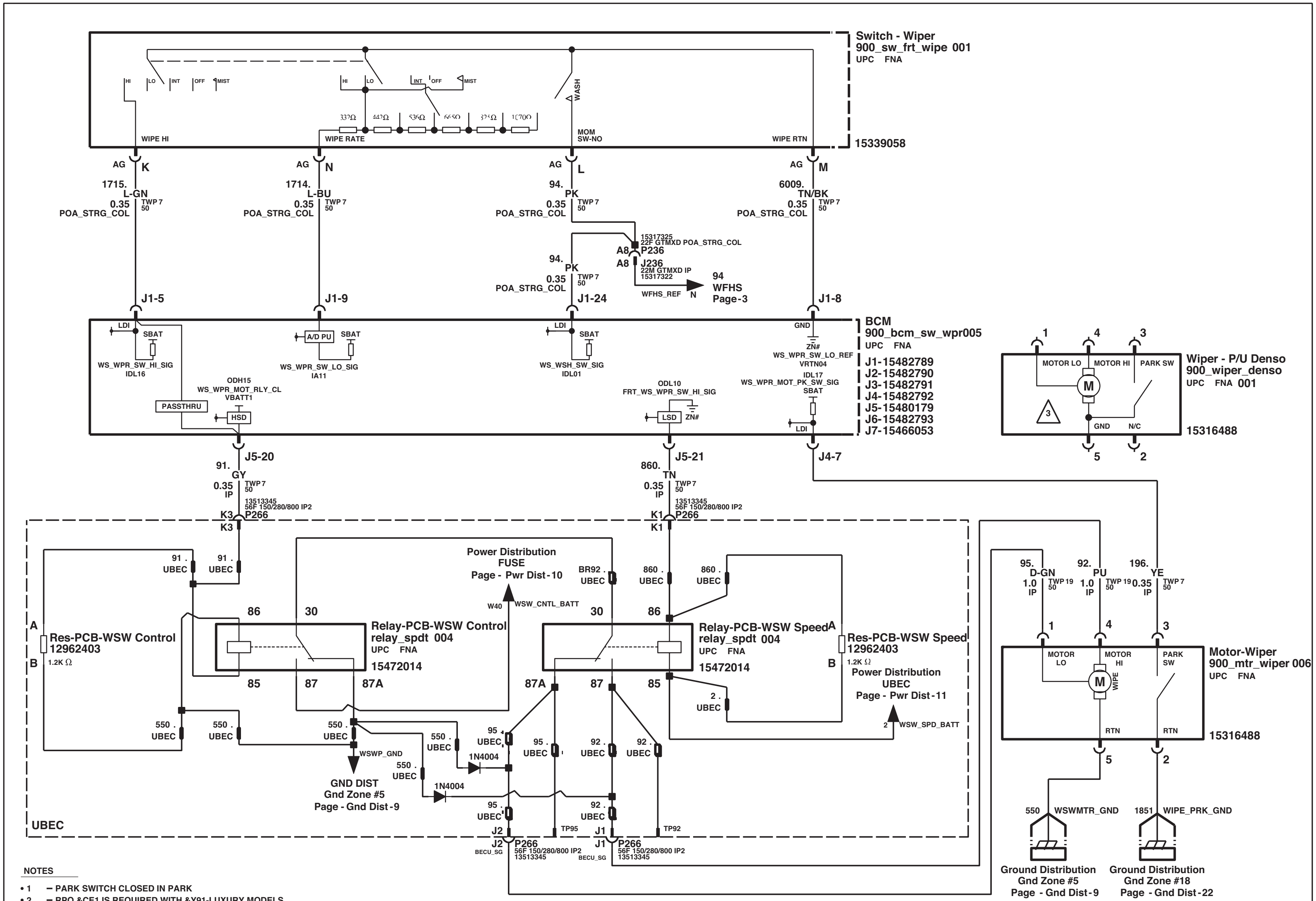
Tuesday, August 22, 2006
9:10:37 am 3
IEC/ESI

Windows: Aux Rear
1_08_win_rr_aux Panel 1 of 1

&A48

2008
GMT900
IVER
System Status: Object Status:

Wipe/Wash: Front Wipers


Switch - Wiper
900_sw_frt_wipe 001
UPC FNA
15339058
HI LO INT OFF MIST
HI LO INT OFF MIST
WASH
337Ω 442Ω 536Ω 665Ω 825Ω 1070Ω
WIPE HI
WIPE RATE
MOM SW-NO
WIPE RTN
AG K
AG N
AG L
AG M
1715. L-GN 0.35 TWP 7 50 POA_STRG_COL
1714. L-BU 0.35 TWP 7 50 POA_STRG_COL
94. PK 0.35 TWP 7 50 POA_STRG_COL
6009. TN/BK 0.35 TWP 7 50 POA_STRG_COL
15317325 22F GTMXD POA_STRG_COL
A8 P236
A8 J236 22M GTMXD IP 15317322
94. PK 0.35 TWP 7 50 POA_STRG_COL
WFHS_REF N
94 WFHS Page-3
J1-5
J1-9
J1-24
J1-8
BCM
900_bcm_sw_wpr005
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
LDI SBAT
WS_WPR_SW_HI_SIG IDL16
A/D PU SBAT
WS_WPR_SW_LO_SIG IA11
LDI SBAT
WS_WSH_SW_SIG IDL01
GND
ZN# WS_WPR_SW_LO_REF VRTN04
IDL17 WS_WPR_MOT_PK_SW_SIG SBAT
ODH15 WS_WPR_MOT_RLY_CL VBATT1
PASSTHRU
HSD
ODL10 FRT_WS_WPR_SW_HI_SIG
LSD ZN#
LDI
J5-20
J5-21
J4-7
91. GY 0.35 IP TWP 7 50
860. TN 0.35 IP TWP 7 50
13513345 56F 150/280/800 IP2
K3 P266 K3
K1 P266 K1
Wiper - P/U Denso
900_wiper_denso
UPC FNA 001
15316488
1 4 3
MOTOR LO MOTOR HI PARK SW
M
3
GND N/C
5 2
91 . UBEC
91 . UBEC
Power Distribution FUSE Page - Pwr Dist-10
W40 WSW_CNTL_BATT
BR92 . UBEC
860 . UBEC
860 . UBEC
86 30
30 86
A
Res-PCB-WSW Control
12962403
B 1.2K Ω
Relay-PCB-WSW Control
relay_spdt 004
UPC FNA
15472014
85 87 87A
Relay-PCB-WSW Speed
relay_spdt 004
UPC FNA
15472014
87A 87 85
A
Res-PCB-WSW Speed
12962403
B 1.2K Ω
Power Distribution UBEC Page - Pwr Dist-11
2 WSW_SPD_BATT
2 . UBEC
550 . UBEC
550 . UBEC
550 . UBEC
WSWP_GND
GND DIST Gnd Zone #5 Page - Gnd Dist-9
550 . UBEC
550 . UBEC
1N4004
1N4004
95 . UBEC
95 . UBEC
92 . UBEC
92 . UBEC
95 . UBEC
92 . UBEC
TP95
TP92
J2 J2 P266 BECU_SG 56F 150/280/800 IP2 13513345
J1 J1 P266 BECU_SG 56F 150/280/800 IP2 13513345
UBEC
95. D-GN 1.0 IP TWP 19 50
92. PU 1.0 IP TWP 19 50
196. YE 0.35 IP TWP 7 50
Motor-Wiper
900_mtr_wiper 006
UPC FNA
15316488
1 4 3
MOTOR LO
MOTOR HI
PARK SW
M WIPE
RTN RTN
5 2
550 WSWMTR_GND
1851 WIPE_PRK_GND
Ground Distribution Gnd Zone #5 Page - Gnd Dist-9
Ground Distribution Gnd Zone #18 Page - Gnd Dist-22

NOTES

- 1 — PARK SWITCH CLOSED IN PARK
- 2 — RPO &CE1 IS REQUIRED WITH &Y91-LUXURY MODELS
- 3 — FOR P/U: SOME PLANTS MAY USE DENSO WIPER MOTOR WHICH HAS A COMMON GROUND FOR PARK SWITCH

ARE16458
003
GMT900
GM Proprietary

Friday, September 29, 2006
10:22:16 am 6
IEC/ESI

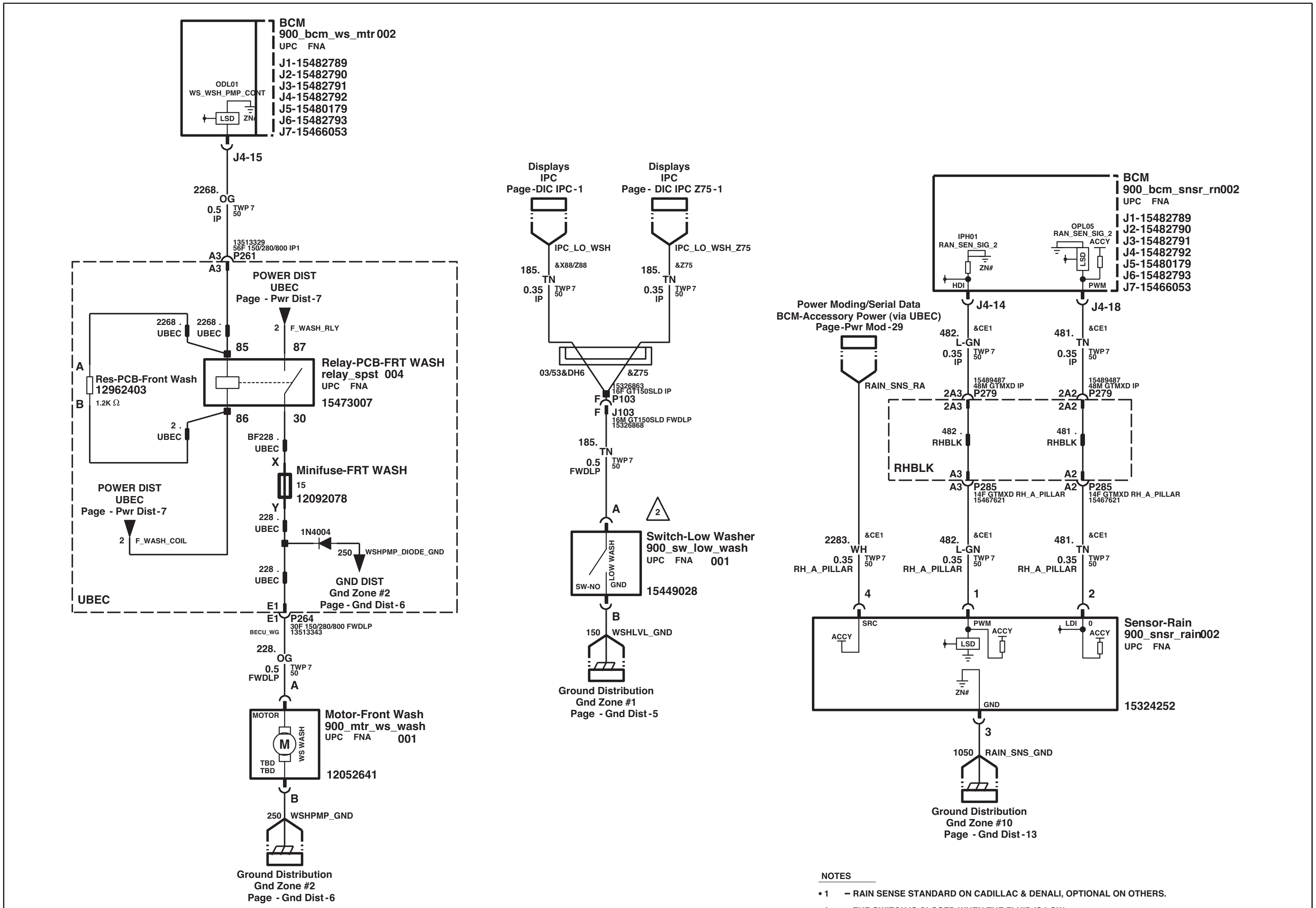
Wipe/Wash: Front Wipers

WW01 Panel 1 of 3

2008
GMT900
MVBS

System Status: Object Status:

Wipe/Wash: Front Wipers


BCM
900_bcm_ws_mtr 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL01
WS_WSH_PMP_CONT
LSD
ZN#
J4-15
2268.
OG
0.5
IP
TWP 7
50
13513329
56F 150/280/800 IP1
A3
P261
A3
POWER DIST
UBEC
Page - Pwr Dist-7
2
F_WASH_RLY
2268 .
UBEC
2268 .
UBEC
85
87
Relay-PCB-FRT WASH
relay_spst 004
UPC FNA
15473007
A
Res-PCB-Front Wash
12962403
B
1.2K Ω
2 .
UBEC
86
30
BF228 .
UBEC
X
Minifuse-FRT WASH
15
12092078
Y
228 .
UBEC
1N4004
250
WSHPMP_DIODE_GND
GND DIST
Gnd Zone #2
Page - Gnd Dist-6
POWER DIST
UBEC
Page - Pwr Dist-7
2
F_WASH_COIL
228 .
UBEC
UBEC
E1
E1
P264
30F 150/280/800 FWDLP
13513343
BECU_WG
228.
OG
0.5
FWDLP
TWP 7
50
A
Motor-Front Wash
900_mtr_ws_wash
UPC FNA
001
MOTOR
M
WS WASH
TBD
TBD
12052641
B
250
WSHPMP_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist-6
Displays
IPC
Page-DIC IPC-1
IPC_LO_WSH
185.
&X88/Z88
TN
0.35
IP
TWP 7
50
Displays
IPC
Page - DIC IPC Z75-1
IPC_LO_WSH_Z75
185.
&Z75
TN
0.35
IP
TWP 7
50
03/53&DH6
&Z75
15326863
16F GT150SLD IP
F
P103
F
J103
16M GT150SLD FWDLP
15326868
185.
TN
0.5
FWDLP
TWP 7
50
A
2
Switch-Low Washer
900_sw_low_wash
UPC FNA
001
LOW WASH
SW-NO
GND
15449028
B
150
WSHLVL_GND
Ground Distribution
Gnd Zone #1
Page - Gnd Dist-5
BCM
900_bcm_snsr_rn002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IPH01
RAN_SEN_SIG_2
ZN#
HDI
OPL05
RAN_SEN_SIG_2
ACCY
LSD
PWM
J4-14
J4-18
Power Moding/Serial Data
BCM-Accessory Power (via UBEC)
Page-Pwr Mod-29
RAIN_SNS_RA
482.
&CE1
L-GN
0.35
IP
TWP 7
50
481.
&CE1
TN
0.35
IP
TWP 7
50
15489487
48M GTMXD IP
2A3
P279
2A3
15489487
48M GTMXD IP
2A2
P279
2A2
482 .
RHBLK
481 .
RHBLK
RHBLK
A3
A3
P285
14F GTMXD RH_A_PILLAR
15467621
A2
A2
P285
14F GTMXD RH_A_PILLAR
15467621
2283.
&CE1
WH
0.35
RH_A_PILLAR
TWP 7
50
482.
&CE1
L-GN
0.35
RH_A_PILLAR
TWP 7
50
481.
&CE1
TN
0.35
RH_A_PILLAR
TWP 7
50
4
1
2
Sensor-Rain
900_snsr_rain002
UPC FNA
SRC
ACCY
PWM
ACCY
LSD
LDI
0
ACCY
ZN#
GND
15324252
3
1050
RAIN_SNS_GND
Ground Distribution
Gnd Zone #10
Page - Gnd Dist-13

NOTES

- 1 – RAIN SENSE STANDARD ON CADILLAC & DENALI, OPTIONAL ON OTHERS.
- 2 – THE SWITCH IS CLOSED WHEN THE FLUID IS LOW

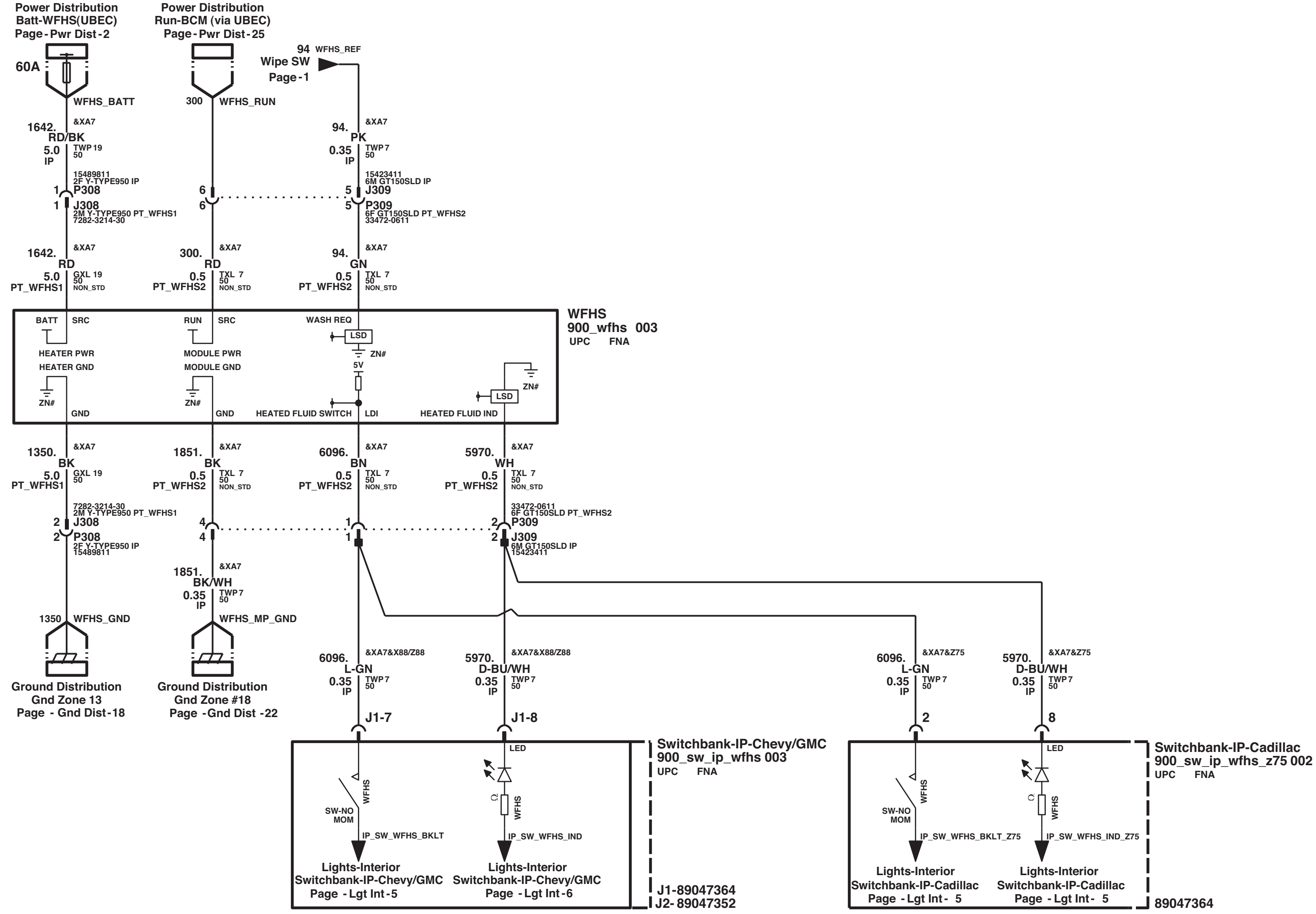
ARE16458
003
GMT900
GM Proprietary

Friday, September 29, 2006
10:22:16 am 6
IEC/ESI

Wipe/Wash: Front Wipers
WW01 Panel 2 of 3

2008
GMT900
MVBS
System Status: Object Status:

Wipe/Wash: Front Wipers


Power Distribution
Batt-WFHS(UBEC)
Page - Pwr Dist - 2
Power Distribution
Run-BCM (via UBEC)
Page - Pwr Dist - 25
60A
94 WFHS_REF
Wipe SW
Page - 1
WFHS_BATT
300 WFHS_RUN
1642. RD/BK &XA7
5.0 IP TWP 19 50
94. PK &XA7
0.35 IP TWP 7 50
15489811
2F Y-TYPE950 IP
1 P308
1 J308
2M Y-TYPE950 PT_WFHS1
7282-3214-30
6
6
15423411
6M GT150SLD IP
5 J309
5 P309
6F GT150SLD PT_WFHS2
33472-0611
1642. RD &XA7
5.0 PT_WFHS1 GXL 19 50 NON_STD
300. RD &XA7
0.5 PT_WFHS2 TXL 7 50 NON_STD
94. GN &XA7
0.5 PT_WFHS2 TXL 7 50 NON_STD
WFHS
900_wfhs 003
UPC FNA
BATT SRC
HEATER PWR
HEATER GND
ZN#
GND
RUN SRC
MODULE PWR
MODULE GND
ZN#
GND
WASH REQ
LSD
ZN#
5V
HEATED FLUID SWITCH
LDI
LSD
ZN#
HEATED FLUID IND
1350. BK &XA7
5.0 PT_WFHS1 GXL 19 50
1851. BK &XA7
0.5 PT_WFHS2 TXL 7 50 NON_STD
6096. BN &XA7
0.5 PT_WFHS2 TXL 7 50 NON_STD
5970. WH &XA7
0.5 PT_WFHS2 TXL 7 50 NON_STD
7282-3214-30
2M Y-TYPE950 PT_WFHS1
2 J308
2 P308
2F Y-TYPE950 IP
15489811
4
4
1
1
33472-0611
6F GT150SLD PT_WFHS2
2 P309
2 J309
6M GT150SLD IP
15423411
1851. BK/WH &XA7
0.35 IP TWP 7 50
1350 WFHS_GND
WFHS_MP_GND
Ground Distribution
Gnd Zone 13
Page - Gnd Dist - 18
Ground Distribution
Gnd Zone #18
Page - Gnd Dist - 22
6096. L-GN &XA7&X88/Z88
0.35 IP TWP 7 50
5970. D-BU/WH &XA7&X88/Z88
0.35 IP TWP 7 50
J1-7
J1-8
6096. L-GN &XA7&Z75
0.35 IP TWP 7 50
5970. D-BU/WH &XA7&Z75
0.35 IP TWP 7 50
2
8
Switchbank-IP-Chevy/GMC
900_sw_ip_wfhs 003
UPC FNA
LED
WFHS
SW-NO MOM
Ω
WFHS
IP_SW_WFHS_BKLT
IP_SW_WFHS_IND
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int - 5
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int - 6
J1-89047364
J2- 89047352
Switchbank-IP-Cadillac
900_sw_ip_wfhs_z75 002
UPC FNA
LED
WFHS
SW-NO MOM
Ω
WFHS
IP_SW_WFHS_BKLT_Z75
IP_SW_WFHS_IND_Z75
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
89047364

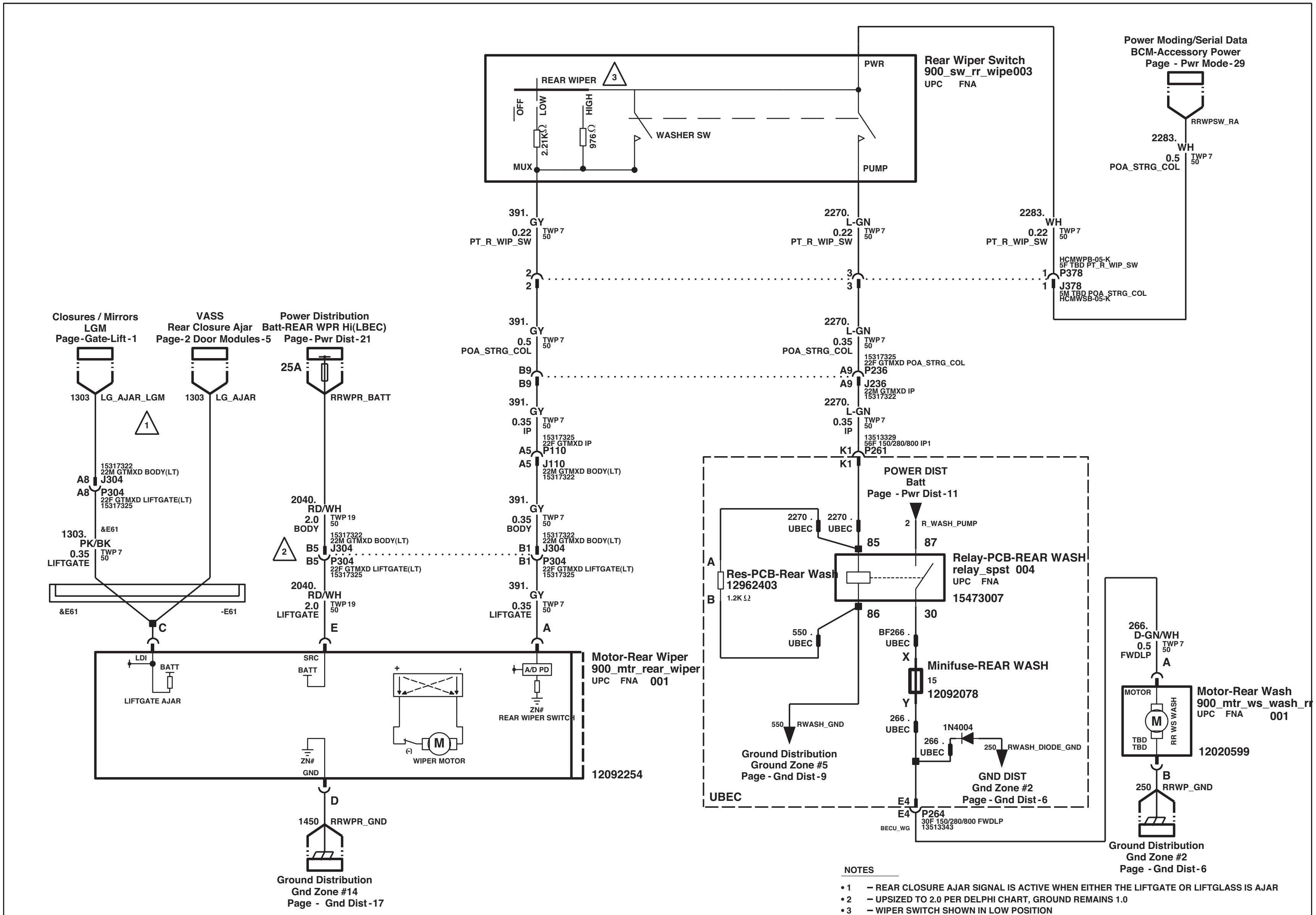
ARE16458
003
GMT900
GM Proprietary

Friday, September 29, 2006
10:22:16 am 6
IEC/ESI

Wipe/Wash: Front Wipers
WW01 Panel 3 of 3

2008
GMT900
MVBS
System Status: Object Status:

Wipe/Wash: Rear


Rear Wiper Switch
900_sw_rr_wipe003
UPC FNA
PWR
REAR WIPER
3
OFF
LOW
HIGH
2.21KΩ
976Ω
WASHER SW
MUX
PUMP
Power Moding/Serial Data
BCM-Accessory Power
Page - Pwr Mode-29
RRWPSW_RA
2283.
WH
0.5
TWP 7 50
POA_STRG_COL
391.
GY
0.22
PT_R_WIP_SW
2270.
L-GN
2283.
WH
HCMWPB-05-K
5F TBD PT_R_WIP_SW
P378
J378
5M TBD POA_STRG_COL
HCMWSB-05-K
POA_STRG_COL
0.5
0.35
15317325
22F GTMXD POA_STRG_COL
B9
A9
P236
J236
22M GTMXD IP
15317322
IP
15317325
22F GTMXD IP
A5
P110
J110
22M GTMXD BODY(LT)
15317322
13513329
56F 150/280/800 IP1
K1
P261
Closures / Mirrors
LGM
Page-Gate-Lift-1
VASS
Rear Closure Ajar
Page-2 Door Modules-5
Power Distribution
Batt-REAR WPR Hi(LBEC)
Page- Pwr Dist-21
25A
1303 LG_AJAR_LGM
1303 LG_AJAR
RRWPR_BATT
1
15317322
22M GTMXD BODY(LT)
A8 J304
A8 P304
22F GTMXD LIFTGATE(LT)
15317325
&E61
1303.
PK/BK
0.35
TWP 7 50
LIFTGATE
2040.
RD/WH
2.0
TWP 19 50
BODY
2
B5 J304
B5 P304
22F GTMXD LIFTGATE(LT)
B1 J304
B1 P304
LIFTGATE
&E61
-E61
C
E
A
D
LDI
BATT
LIFTGATE AJAR
SRC
BATT
ZN#
GND
WIPER MOTOR
M
A/D PD
ZN#
REAR WIPER SWITCH
Motor-Rear Wiper
900_mtr_rear_wiper
UPC FNA 001
12092254
1450 RRWPR_GND
Ground Distribution
Gnd Zone #14
Page - Gnd Dist-17
POWER DIST
Batt
Page - Pwr Dist-11
2 R_WASH_PUMP
2270 . UBEC
85
87
A
B
Res-PCB-Rear Wash
12962403
1.2K Ω
Relay-PCB-REAR WASH
relay_spst 004
UPC FNA
15473007
86
30
550 . UBEC
BF266 . UBEC
X
Minifuse-REAR WASH
15
12092078
Y
266 . UBEC
1N4004
250 RWASH_DIODE_GND
550 RWASH_GND
Ground Distribution
Ground Zone #5
Page - Gnd Dist-9
GND DIST
Gnd Zone #2
Page - Gnd Dist-6
UBEC
E4
P264
30F 150/280/800 FWDLP
13513343
BECU_WG
266.
D-GN/WH
0.5
FWDLP
MOTOR
RR WS WASH
TBD
Motor-Rear Wash
900_mtr_ws_wash_rr
UPC FNA 001
12020599
250 RRWP_GND
Ground Distribution
Gnd Zone #2
Page - Gnd Dist-6

NOTES

- 1 – REAR CLOSURE AJAR SIGNAL IS ACTIVE WHEN EITHER THE LIFTGATE OR LIFTGLASS IS AJAR
- 2 – UPSIZED TO 2.0 PER DELPHI CHART, GROUND REMAINS 1.0
- 3 – WIPER SWITCH SHOWN IN LOW POSITION

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GMT900
GM Proprietary

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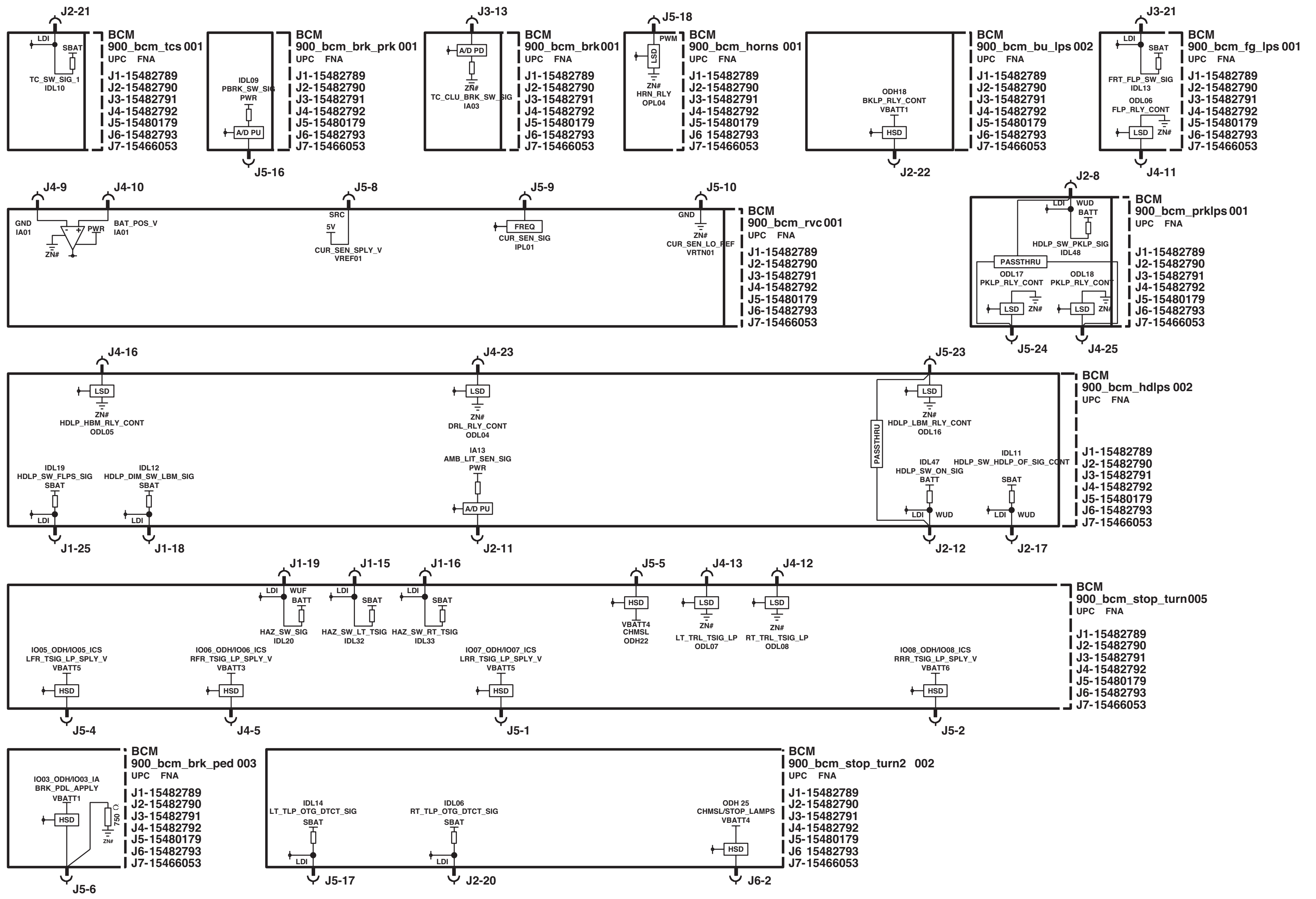
IEC/ESI

Wipe/Wash: Rear
WW06 Panel 1 of 1
Panel Set: 1
&C25

2008
GMT900
MVBS
System Status: Object Status:

Appendix: BCM


J2-21
LDI
SBAT
TC_SW_SIG_1
IDL10
BCM
900_bcm_tcs 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL09
PBRK_SW_SIG
PWR
A/D PU
J5-16
BCM
900_bcm_brk_prk 001
J3-13
A/D PD
ZN#
TC_CLU_BRK_SW_SIG
IA03
BCM
900_bcm_brk001
J5-18
PWM
LSD
ZN#
HRN_RLY
OPL04
BCM
900_bcm_horns 001
J6 15482793
ODH18
BKLP_RLY_CONT
VBATT1
HSD
J2-22
BCM
900_bcm_bu_lps 002
J3-21
FRT_FLP_SW_SIG
IDL13
ODL06
FLP_RLY_CONT
J4-11
BCM
900_bcm_fg_lps 001
J4-9
J4-10
GND
IA01
PWR
BAT_POS_V
IA01
J5-8
SRC
5V
CUR_SEN_SPLY_V
VREF01
J5-9
FREQ
CUR_SEN_SIG
IPL01
J5-10
GND
ZN#
CUR_SEN_LO_REF
VRTN01
BCM
900_bcm_rvc 001
J2-8
WUD
BATT
HDLP_SW_PKLP_SIG
IDL48
PASSTHRU
ODL17
PKLP_RLY_CONT
ODL18
PKLP_RLY_CONT
J5-24
J4-25
BCM
900_bcm_prklps 001
J4-16
HDLP_HBM_RLY_CONT
ODL05
IDL19
HDLP_SW_FLPS_SIG
IDL12
HDLP_DIM_SW_LBM_SIG
J1-25
J1-18
J4-23
DRL_RLY_CONT
ODL04
IA13
AMB_LIT_SEN_SIG
J2-11
J5-23
HDLP_LBM_RLY_CONT
ODL16
IDL47
HDLP_SW_ON_SIG
IDL11
HDLP_SW_HDLP_OF_SIG_CONT
J2-12
J2-17
BCM
900_bcm_hdlps 002
J1-19
J1-15
J1-16
WUF
HAZ_SW_SIG
IDL20
HAZ_SW_LT_TSIG
IDL32
HAZ_SW_RT_TSIG
IDL33
J5-5
VBATT4
CHMSL
ODH22
J4-13
LT_TRL_TSIG_LP
ODL07
J4-12
RT_TRL_TSIG_LP
ODL08
IO05_ODH/IO05_ICS
LFR_TSIG_LP_SPLY_V
VBATT5
IO06_ODH/IO06_ICS
RFR_TSIG_LP_SPLY_V
VBATT3
IO07_ODH/IO07_ICS
LRR_TSIG_LP_SPLY_V
VBATT5
IO08_ODH/IO08_ICS
RRR_TSIG_LP_SPLY_V
VBATT6
J5-4
J4-5
J5-1
J5-2
BCM
900_bcm_stop_turn005
IO03_ODH/IO03_IA
BRK_PDL_APPLY
VBATT1
750 Ω
J5-6
BCM
900_bcm_brk_ped 003
IDL14
LT_TLP_OTG_DTCT_SIG
IDL06
RT_TLP_OTG_DTCT_SIG
ODH 25
CHMSL/STOP_LAMPS
VBATT4
J5-17
J2-20
J6-2
BCM
900_bcm_stop_turn2 002

•Note: This Page for Reference Only. See appropriate Subsystems for connectivity.

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003
GMT900
GM Proprietary

Tuesday, August 22, 2006
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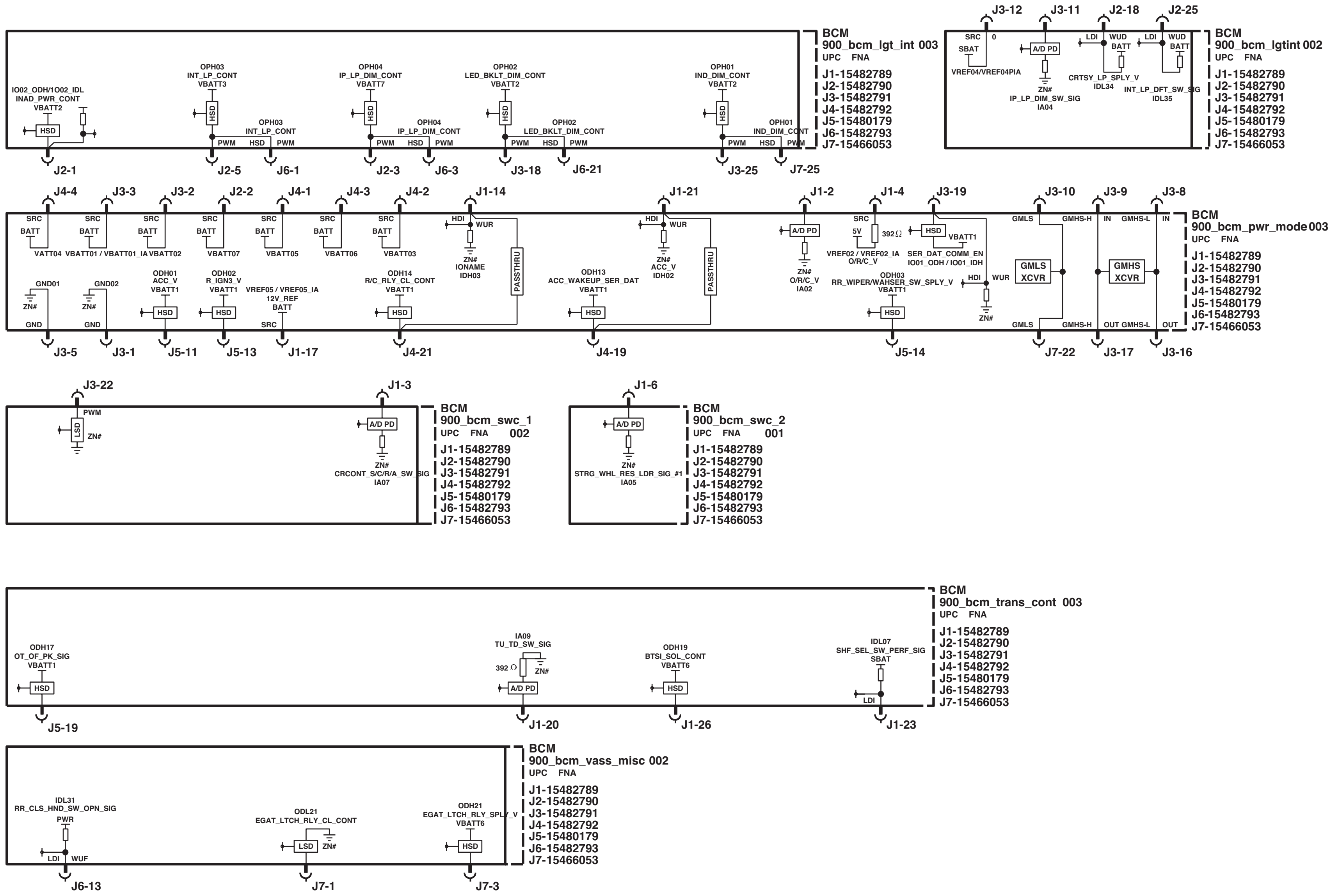
IEC/ESI

Appendix: BCM
1_08_zz01a Panel 1 of 4

2008
GMT900
IVER
System Status: Object Status:

Appendix: BCM


BCM
900_bcm_lgt_int 003
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IO02_ODH/1O02_IDL
INAD_PWR_CONT
VBATT2
HSD
J2-1
OPH03
INT_LP_CONT
VBATT3
PWM
HSD
J2-5
J6-1
OPH04
IP_LP_DIM_CONT
VBATT7
J2-3
J6-3
OPH02
LED_BKLT_DIM_CONT
VBATT2
J3-18
J6-21
OPH01
IND_DIM_CONT
VBATT2
J3-25
J7-25
BCM
900_bcm_lgtint 002
UPC FNA
J3-12
J3-11
J2-18
J2-25
SRC
SBAT
0
VREF04/VREF04PIA
A/D PD
ZN#
IP_LP_DIM_SW_SIG
IA04
LDI
WUD
BATT
CRTSY_LP_SPLY_V
IDL34
INT_LP_DFT_SW_SIG
IDL35
BCM
900_bcm_pwr_mode 003
UPC FNA
J4-4
J3-3
J3-2
J2-2
J4-1
J4-3
J4-2
J1-14
J1-21
J1-2
J1-4
J3-19
J3-10
J3-9
J3-8
SRC
BATT
VATT04
VBATT01 / VBATT01_IA
VBATT02
VBATT07
VBATT05
VBATT06
VBATT03
HDI
WUR
ZN#
IONAME
IDH03
PASSTHRU
ZN#
ACC_V
IDH02
A/D PD
ZN#
O/R/C_V
IA02
5V
392 Ω
VREF02 / VREF02_IA
O/R/C_V
HSD
VBATT1
SER_DAT_COMM_EN
IO01_ODH / IO01_IDH
ODH03
RR_WIPER/WAHSER_SW_SPLY_V
VBATT1
HDI
WUR
ZN#
GMLS
GMHS-H
IN
GMHS-L
IN
GMLS XCVR
GMHS XCVR
OUT
GND01
ZN#
GND
GND02
ODH01
ACC_V
VBATT1
ODH02
R_IGN3_V
VBATT1
VREF05 / VREF05_IA
12V_REF
BATT
SRC
ODH14
R/C_RLY_CL_CONT
VBATT1
ODH13
ACC_WAKEUP_SER_DAT
VBATT1
J3-5
J3-1
J5-11
J5-13
J1-17
J4-21
J4-19
J5-14
J7-22
J3-17
J3-16
BCM
900_bcm_swc_1 002
UPC FNA
J3-22
PWM
LSD
ZN#
J1-3
A/D PD
ZN#
CRCONT_S/C/R/A_SW_SIG
IA07
BCM
900_bcm_swc_2 001
UPC FNA
J1-6
A/D PD
ZN#
STRG_WHL_RES_LDR_SIG_#1
IA05
BCM
900_bcm_trans_cont 003
UPC FNA
ODH17
OT_OF_PK_SIG
VBATT1
HSD
J5-19
IA09
TU_TD_SW_SIG
392 Ω
ZN#
A/D PD
J1-20
ODH19
BTSI_SOL_CONT
VBATT6
HSD
J1-26
IDL07
SHF_SEL_SW_PERF_SIG
SBAT
LDI
J1-23
BCM
900_bcm_vass_misc 002
UPC FNA
IDL31
RR_CLS_HND_SW_OPN_SIG
PWR
LDI
WUF
J6-13
ODL21
EGAT_LTCH_RLY_CL_CONT
LSD
ZN#
J7-1
ODH21
EGAT_LTCH_RLY_SPLY_V
VBATT6
HSD
J7-3

•**Note: This Page for Reference Only. See appropriate Subsystems for connectivity.**

ARE16461
003
GMT900
GM Proprietary

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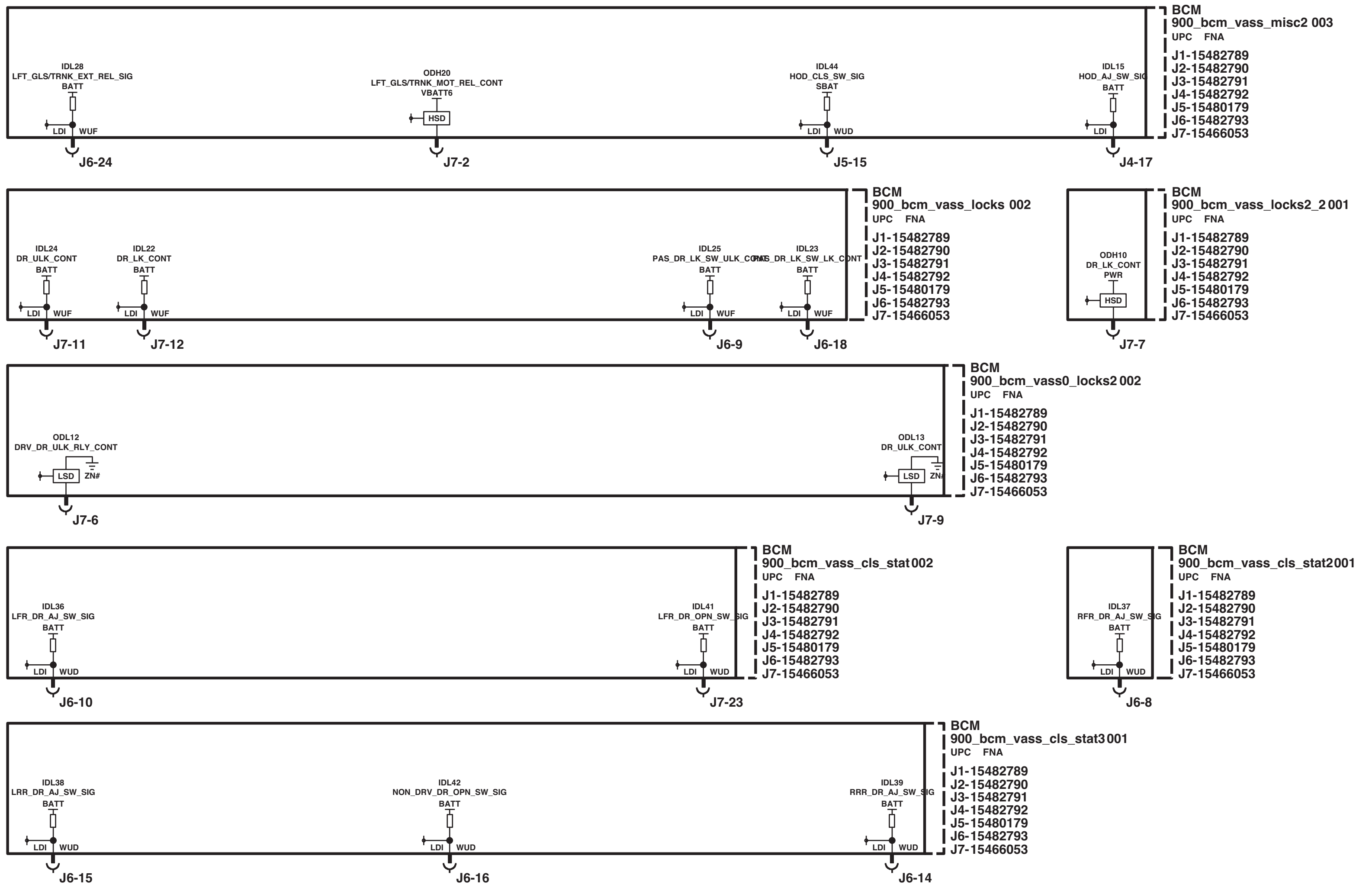
9:11:18 am 3
IEC/ESI

Appendix: BCM
1_08_zz01a Panel 2 of 4

2008
GMT900
IVER
System Status: Object Status:

Appendix: BCM


BCM
900_bcm_vass_misc2 003
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL28
LFT_GLS/TRNK_EXT_REL_SIG
BATT
LDI
WUF
J6-24
ODH20
LFT_GLS/TRNK_MOT_REL_CONT
VBATT6
HSD
J7-2
IDL44
HOD_CLS_SW_SIG
SBAT
LDI
WUD
J5-15
IDL15
HOD_AJ_SW_SIG
BATT
LDI
J4-17
BCM
900_bcm_vass_locks 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL24
DR_ULK_CONT
BATT
LDI
WUF
J7-11
IDL22
DR_LK_CONT
BATT
LDI
WUF
J7-12
IDL25
PAS_DR_LK_SW_ULK_CONT
BATT
LDI
WUF
J6-9
IDL23
PAS_DR_LK_SW_LK_CONT
BATT
LDI
WUF
J6-18
BCM
900_bcm_vass_locks2_2 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH10
DR_LK_CONT
PWR
HSD
J7-7
BCM
900_bcm_vass0_locks2 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL12
DRV_DR_ULK_RLY_CONT
LSD
ZN#
J7-6
ODL13
DR_ULK_CONT
LSD
ZN#
J7-9
BCM
900_bcm_vass_cls_stat 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL36
LFR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-10
IDL41
LFR_DR_OPN_SW_SIG
BATT
LDI
WUD
J7-23
BCM
900_bcm_vass_cls_stat2 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL37
RFR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-8
BCM
900_bcm_vass_cls_stat3 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IDL38
LRR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-15
IDL42
NON_DRV_DR_OPN_SW_SIG
BATT
LDI
WUD
J6-16
IDL39
RRR_DR_AJ_SW_SIG
BATT
LDI
WUD
J6-14

- **Note: This Page for Reference Only. See appropriate Subsystems for connectivity.**

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GMT900
GM Proprietary

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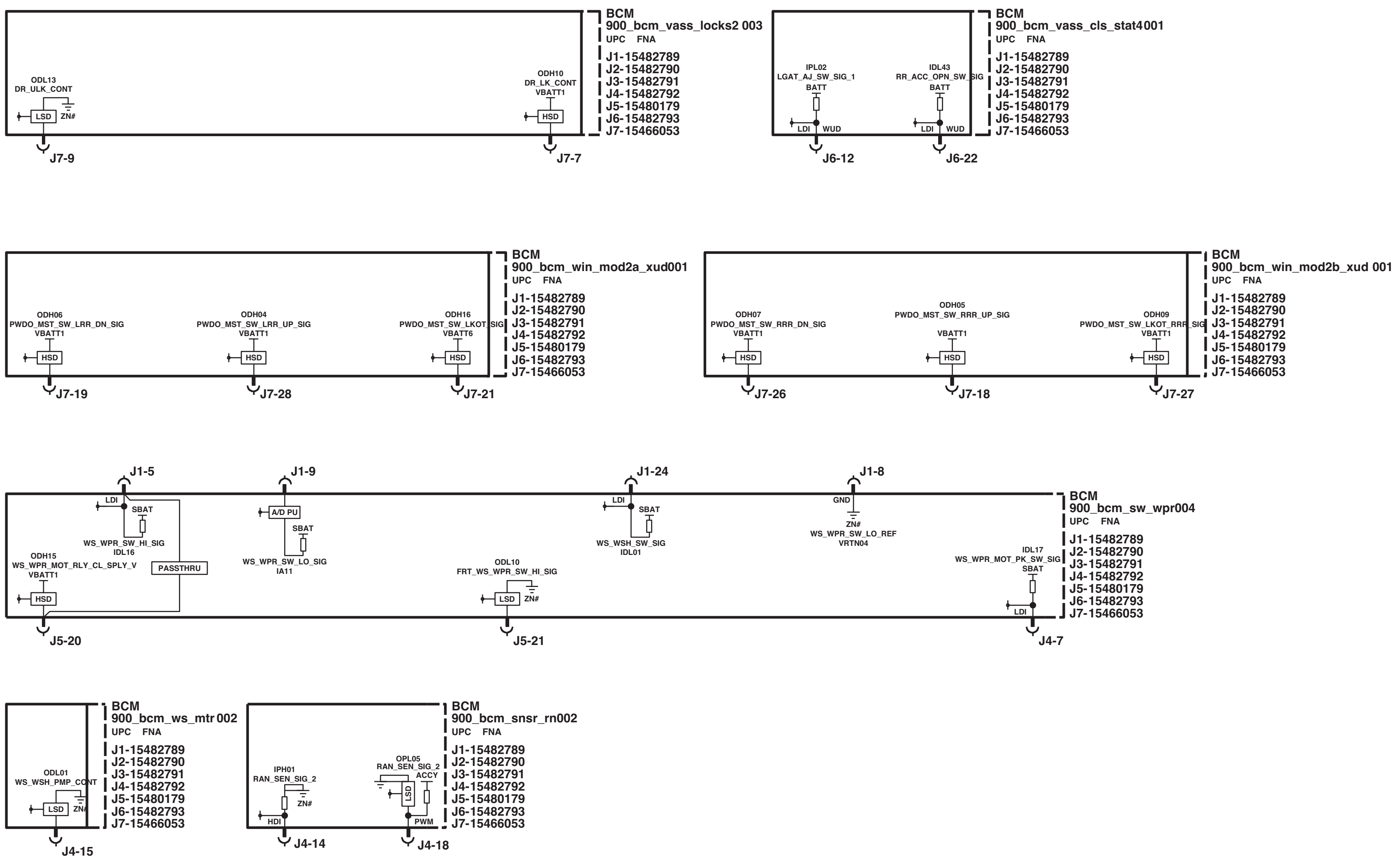
IEC/ESI

Appendix: BCM
1_08_zz01a Panel 3 of 4

2008
GMT900
IVER
System Status: Object Status:

Appendix: BCM


BCM
900_bcm_vass_locks2 003
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL13
DR_ULK_CONT
LSD
ZN#
J7-9
ODH10
DR_LK_CONT
VBATT1
HSD
J7-7
BCM
900_bcm_vass_cls_stat4001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IPL02
LGAT_AJ_SW_SIG_1
BATT
LDI
WUD
J6-12
IDL43
RR_ACC_OPN_SW_SIG
BATT
LDI
WUD
J6-22
BCM
900_bcm_win_mod2a_xud001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH06
PWDO_MST_SW_LRR_DN_SIG
VBATT1
HSD
J7-19
ODH04
PWDO_MST_SW_LRR_UP_SIG
VBATT1
HSD
J7-28
ODH16
PWDO_MST_SW_LKOT_SIG
VBATT6
HSD
J7-21
BCM
900_bcm_win_mod2b_xud 001
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODH07
PWDO_MST_SW_RRR_DN_SIG
VBATT1
HSD
J7-26
ODH05
PWDO_MST_SW_RRR_UP_SIG
VBATT1
HSD
J7-18
ODH09
PWDO_MST_SW_LKOT_RRR_SIG
VBATT1
HSD
J7-27
J1-5
LDI
SBAT
WS_WPR_SW_HI_SIG
IDL16
ODH15
WS_WPR_MOT_RLY_CL_SPLY_V
VBATT1
HSD
PASSTHRU
J5-20
J1-9
A/D PU
SBAT
WS_WPR_SW_LO_SIG
IA11
ODL10
FRT_WS_WPR_SW_HI_SIG
LSD
ZN#
J5-21
J1-24
LDI
SBAT
WS_WSH_SW_SIG
IDL01
J1-8
GND
ZN#
WS_WPR_SW_LO_REF
VRTN04
IDL17
WS_WPR_MOT_PK_SW_SIG
SBAT
LDI
J4-7
BCM
900_bcm_sw_wpr004
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
ODL01
WS_WSH_PMP_CONT
LSD
ZN#
J4-15
BCM
900_bcm_ws_mtr 002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053
IPH01
RAN_SEN_SIG_2
ZN#
HDI
J4-14
OPL05
RAN_SEN_SIG_2
ACCY
LSD
PWM
J4-18
BCM
900_bcm_snsr_rn002
UPC FNA
J1-15482789
J2-15482790
J3-15482791
J4-15482792
J5-15480179
J6-15482793
J7-15466053

NOTES
- • 1 – SEE BELOW FOR "J" TO HARNESS.
  - – J1 = C = STEERING COLUMN
  - – J2 = I1 = IP1
  - – J3 = I2 = IP2
  - – J4 = U1 = IP UNDERHOOD1
  - – J5 = U2 = IP UNDERHOOD2
  - – J6 = B1 = BODY1
  - – J7 = B2 = BODY2

•Note: This Page for Reference Only. See appropriate Subsystems for connectivity.

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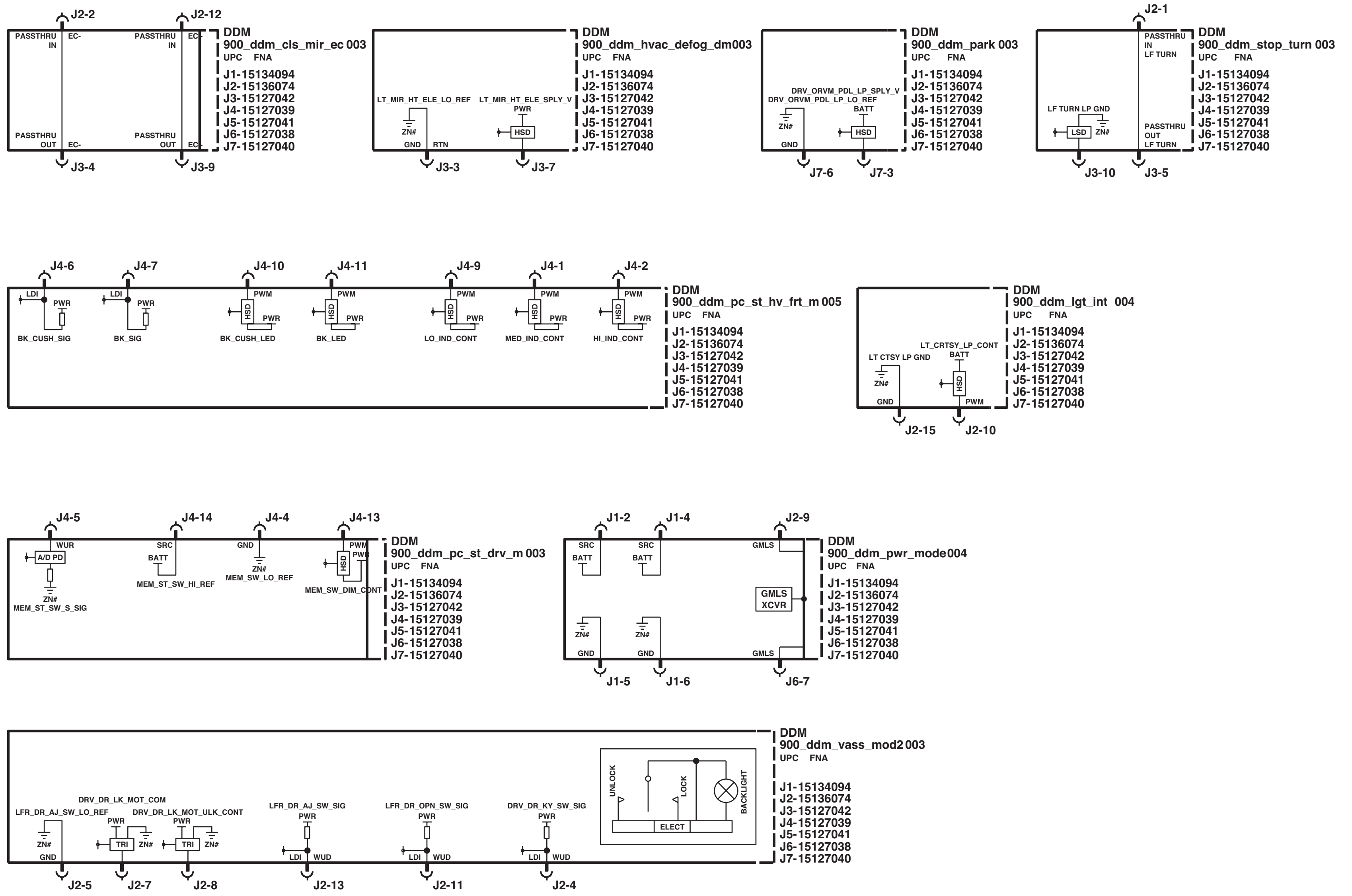
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:11:18 am 3
IEC/ESI

Appendix: BCM
1_08_zz01a Panel 4 of 4

2008
GMT900
IVER
System Status: Object Status:

Appendix: DDM


J2-2
J2-12
PASSTHRU IN
EC-
PASSTHRU OUT
J3-4
J3-9
DDM
900_ddm_cls_mir_ec 003
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
LT_MIR_HT_ELE_LO_REF
LT_MIR_HT_ELE_SPLY_V
PWR
ZN#
HSD
GND
RTN
J3-3
J3-7
900_ddm_hvac_defog_dm003
DRV_ORVM_PDL_LP_SPLY_V
DRV_ORVM_PDL_LP_LO_REF
BATT
J7-6
J7-3
900_ddm_park 003
J2-1
PASSTHRU IN LF TURN
LF TURN LP GND
LSD
PASSTHRU OUT LF TURN
J3-10
J3-5
900_ddm_stop_turn 003
J4-6
J4-7
J4-10
J4-11
J4-9
J4-1
J4-2
LDI
PWM
BK_CUSH_SIG
BK_SIG
BK_CUSH_LED
BK_LED
LO_IND_CONT
MED_IND_CONT
HI_IND_CONT
900_ddm_pc_st_hv_frt_m 005
LT_CRTSY_LP_CONT
LT CTSY LP GND
J2-15
J2-10
900_ddm_lgt_int 004
J4-5
J4-14
J4-4
J4-13
WUR
A/D PD
ZN#
MEM_ST_SW_S_SIG
SRC
MEM_ST_SW_HI_REF
MEM_SW_LO_REF
MEM_SW_DIM_CONT
900_ddm_pc_st_drv_m 003
J1-2
J1-4
J2-9
GMLS
GMLS XCVR
J1-5
J1-6
J6-7
900_ddm_pwr_mode004
DRV_DR_LK_MOT_COM
LFR_DR_AJ_SW_LO_REF
DRV_DR_LK_MOT_ULK_CONT
TRI
LFR_DR_AJ_SW_SIG
LFR_DR_OPN_SW_SIG
DRV_DR_KY_SW_SIG
WUD
UNLOCK
LOCK
BACKLIGHT
ELECT
J2-5
J2-7
J2-8
J2-13
J2-11
J2-4
900_ddm_vass_mod2 003

- **Note: This Page for Reference Only. See appropriate Subsystems for connectivity.**

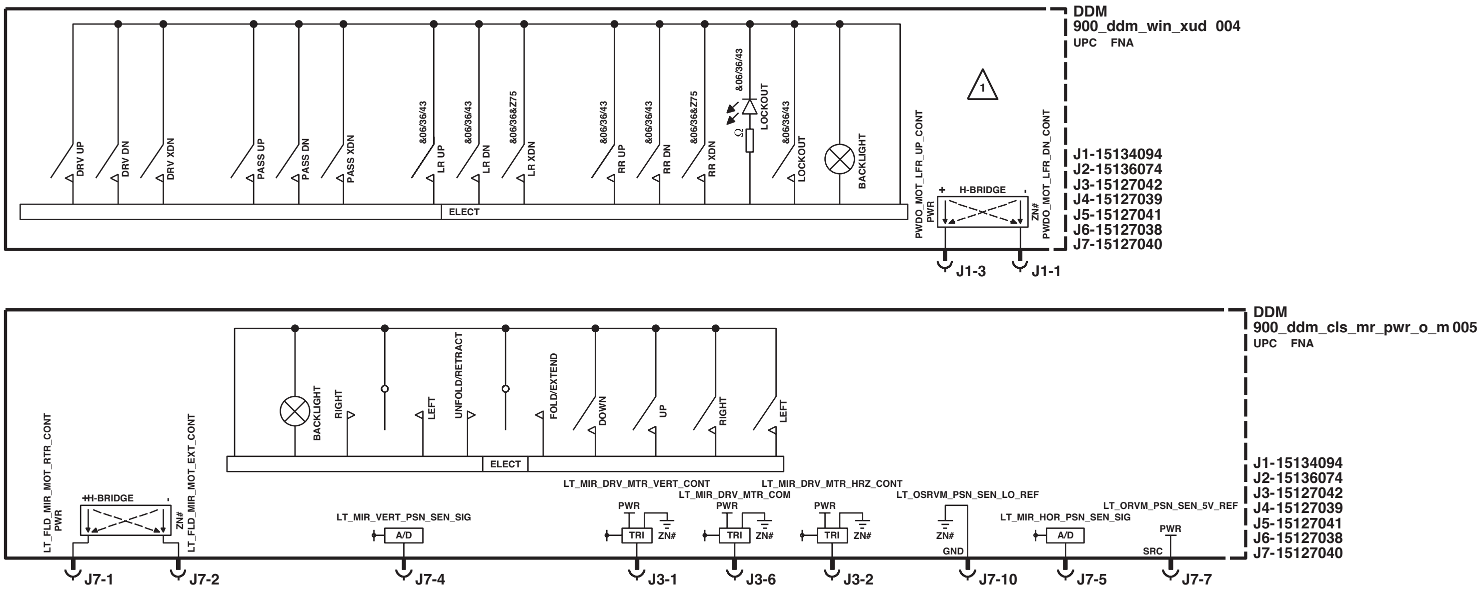
ARE16462
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:12:03 am 3
IEC/ESI

Appendix: DDM
1_08_zz02a Panel 1 of 2

2008
GMT900
IVER
System Status: Object Status:

Appendix: DDM


DDM
900_ddm_win_xud 004
UPC FNA
DRV UP
DRV DN
DRV XDN
PASS UP
PASS DN
PASS XDN
&06/36/43
LR UP
&06/36/43
LR DN
&06/36&Z75
LR XDN
&06/36/43
RR UP
&06/36/43
RR DN
&06/36&Z75
RR XDN
&06/36/43
LOCKOUT
Ω
&06/36/43
LOCKOUT
BACKLIGHT
ELECT
PWDO_MOT_LFR_UP_CONT
PWR
+
H-BRIDGE
-
ZN#
PWDO_MOT_LFR_DN_CONT
1
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
J1-3
J1-1
DDM
900_ddm_cls_mr_pwr_o_m 005
UPC FNA
BACKLIGHT
RIGHT
LEFT
UNFOLD/RETRACT
FOLD/EXTEND
DOWN
UP
RIGHT
LEFT
ELECT
LT_FLD_MIR_MOT_RTR_CONT
PWR
+H-BRIDGE
-
ZN#
LT_FLD_MIR_MOT_EXT_CONT
LT_MIR_VERT_PSN_SEN_SIG
A/D
LT_MIR_DRV_MTR_VERT_CONT
LT_MIR_DRV_MTR_COM
LT_MIR_DRV_MTR_HRZ_CONT
PWR
TRI
ZN#
PWR
TRI
ZN#
PWR
TRI
ZN#
LT_OSRVM_PSN_SEN_LO_REF
ZN#
GND
LT_MIR_HOR_PSN_SEN_SIG
A/D
LT_ORVM_PSN_SEN_5V_REF
PWR
SRC
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
J7-1
J7-2
J7-4
J3-1
J3-6
J3-2
J7-10
J7-5
J7-7

•Note: This Page for Reference Only. See appropriate Subsystems for connectivity.

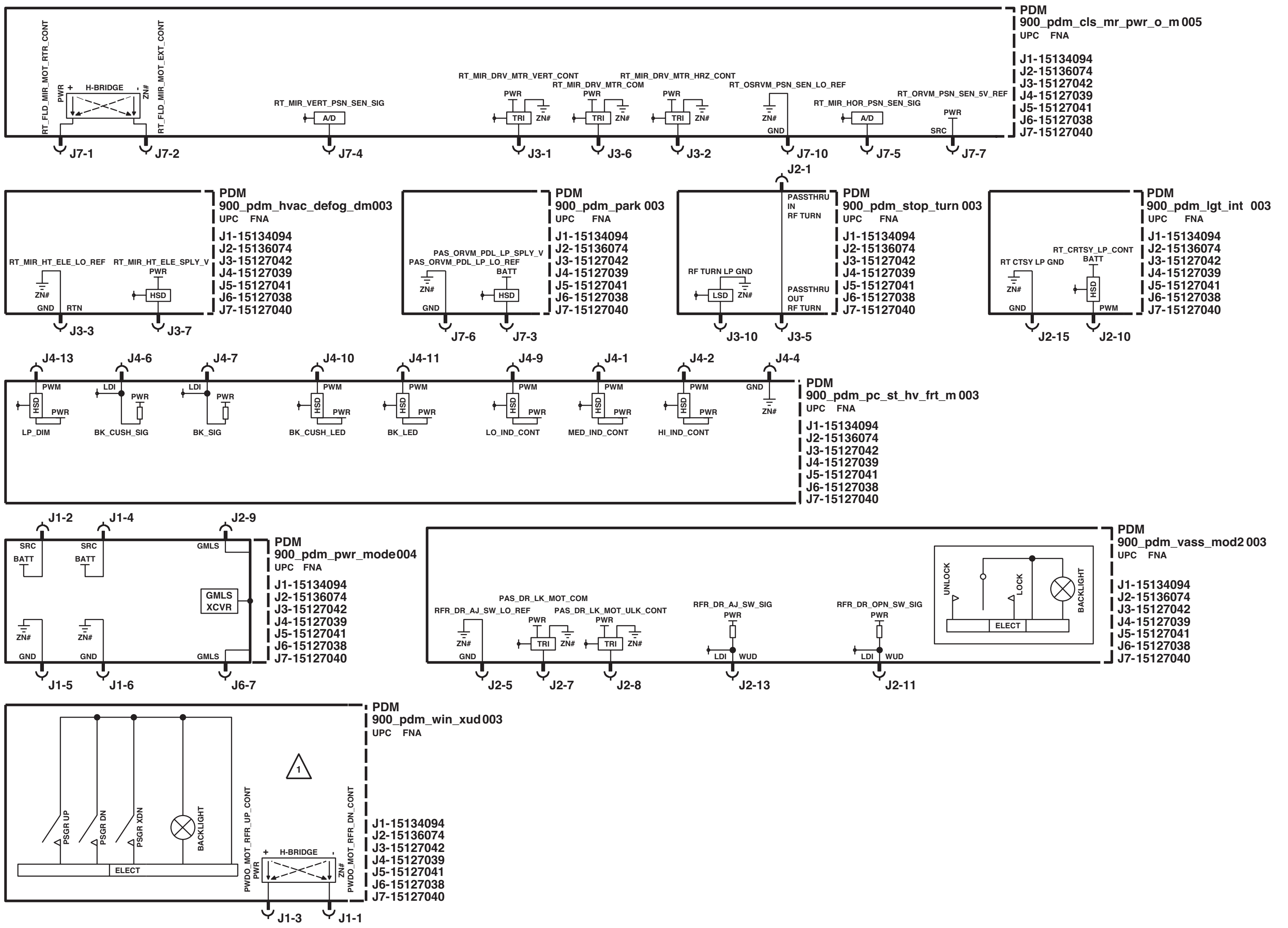
ARE16462
003
GMT900
GM Proprietary

Tuesday, August 22, 2006
9:12:03 am 3
IEC/ESI

Appendix: DDM
1_08_zz02a Panel 2 of 2

2008
GMT900
IVER
System Status: Object Status:

Appendix: PDM


PDM
900_pdm_cls_mr_pwr_o_m 005
UPC FNA
J1-15134094
J2-15136074
J3-15127042
J4-15127039
J5-15127041
J6-15127038
J7-15127040
RT_FLD_MIR_MOT_RTR_CONT
RT_FLD_MIR_MOT_EXT_CONT
PWR
H-BRIDGE
ZN#
RT_MIR_VERT_PSN_SEN_SIG
A/D
RT_MIR_DRV_MTR_VERT_CONT
RT_MIR_DRV_MTR_COM
RT_MIR_DRV_MTR_HRZ_CONT
TRI
RT_OSRVM_PSN_SEN_LO_REF
GND
RT_MIR_HOR_PSN_SEN_SIG
RT_ORVM_PSN_SEN_5V_REF
SRC
J7-1
J7-2
J7-4
J3-1
J3-6
J3-2
J7-10
J7-5
J7-7
J2-1
PDM
900_pdm_hvac_defog_dm003
RT_MIR_HT_ELE_LO_REF
RT_MIR_HT_ELE_SPLY_V
HSD
RTN
J3-3
J3-7
PDM
900_pdm_park 003
PAS_ORVM_PDL_LP_SPLY_V
PAS_ORVM_PDL_LP_LO_REF
BATT
J7-6
J7-3
PDM
900_pdm_stop_turn 003
PASSTHRU IN RF TURN
RF TURN LP GND
LSD
PASSTHRU OUT RF TURN
J3-10
J3-5
PDM
900_pdm_lgt_int 003
RT CTSY LP GND
RT_CRTSY_LP_CONT
PWM
J2-15
J2-10
J4-13
J4-6
J4-7
J4-10
J4-11
J4-9
J4-1
J4-2
J4-4
LDI
LP_DIM
BK_CUSH_SIG
BK_SIG
BK_CUSH_LED
BK_LED
LO_IND_CONT
MED_IND_CONT
HI_IND_CONT
PDM
900_pdm_pc_st_hv_frt_m 003
J1-2
J1-4
J2-9
GMLS
GMLS XCVR
J1-5
J1-6
J6-7
PDM
900_pdm_pwr_mode004
PDM
900_pdm_vass_mod2 003
RFR_DR_AJ_SW_LO_REF
PAS_DR_LK_MOT_COM
PAS_DR_LK_MOT_ULK_CONT
RFR_DR_AJ_SW_SIG
RFR_DR_OPN_SW_SIG
WUD
UNLOCK
LOCK
BACKLIGHT
ELECT
J2-5
J2-7
J2-8
J2-13
J2-11
PDM
900_pdm_win_xud 003
1
PSGR UP
PSGR DN
PSGR XDN
PWDO_MOT_RFR_UP_CONT
PWDO_MOT_RFR_DN_CONT
J1-3
J1-1

•Note: This Page for Reference Only. See appropriate Subsystems for connectivity.

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003
GMT900
GM Proprietary

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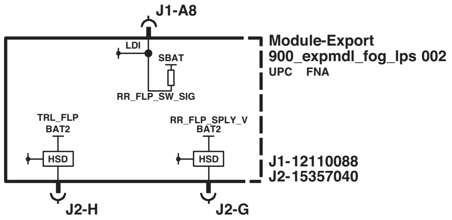
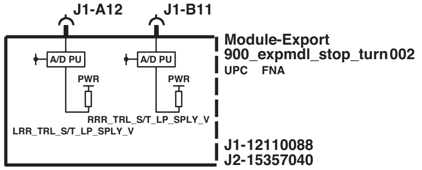
9:12:34 am 3
IEC/ESI

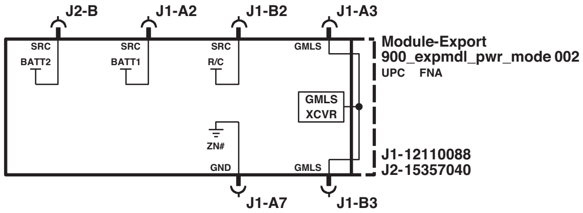
Appendix: PDM
1_08_zz03a Panel 1 of 1

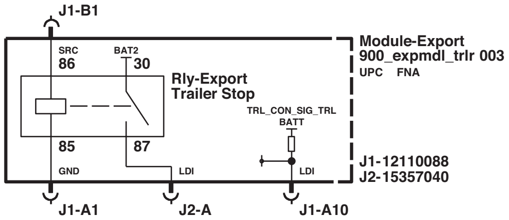
2008
GMT900
IVER
System Status: Object Status:

Appendix: PDM


J1-A8
LDI
SBAT
RR_FLP_SW_SIG
TRL_FLP
BAT2
RR_FLP_SPLY_V
BAT2
HSD
HSD
Module-Export
900_expmdl_fog_lps 002
UPC FNA
J1-12110088
J2-15357040
J2-H
J2-G


J1-A12
J1-B11
A/D PU
A/D PU
PWR
PWR
RRR_TRL_S/T_LP_SPLY_V
LRR_TRL_S/T_LP_SPLY_V
Module-Export
900_expmdl_stop_turn 002
UPC FNA
J1-12110088
J2-15357040


J2-B
J1-A2
J1-B2
J1-A3
SRC
BATT2
SRC
BATT1
SRC
R/C
GMLS
GMLS
XCVR
ZN#
GND
GMLS
Module-Export
900_expmdl_pwr_mode 002
UPC FNA
J1-12110088
J2-15357040
J1-A7
J1-B3


J1-B1
SRC
86
BAT2
30
Rly-Export
Trailer Stop
TRL_CON_SIG_TRL
BATT
85
87
GND
LDI
LDI
Module-Export
900_expmdl_trlr 003
UPC FNA
J1-12110088
J2-15357040
J1-A1
J2-A
J1-A10

- **Note: This Page for Reference Only. See appropriate Subsystems for connectivity.**

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GMT900
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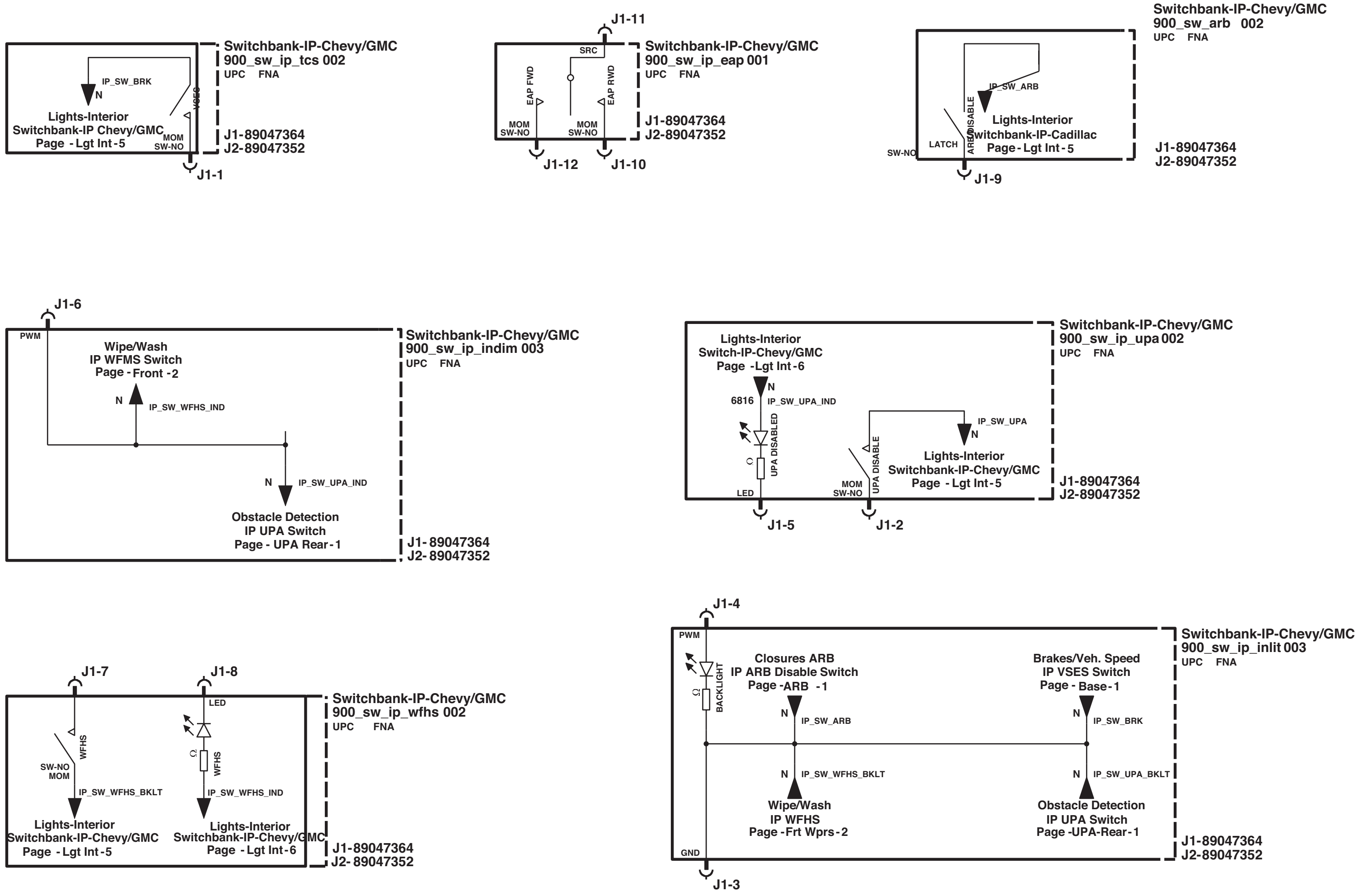
Appendix: Module-Export
1_08_zz04a Panel 1 of 1

2008
GMT900
IVER
System Status: Object Status:

Appendix: Switchbank-IP


Switchbank-IP-Chevy/GMC
900_sw_ip_tcs 002
UPC FNA
IP_SW_BRK
N
VSES
Lights-Interior
Switchbank-IP Chevy/GMC
Page - Lgt Int - 5
MOM
SW-NO
J1-89047364
J2-89047352
J1-1
J1-11
SRC
Switchbank-IP-Chevy/GMC
900_sw_ip_eap 001
UPC FNA
EAP FWD
EAP RWD
MOM
SW-NO
MOM
SW-NO
J1-89047364
J2-89047352
J1-12
J1-10
Switchbank-IP-Chevy/GMC
900_sw_arb 002
UPC FNA
IP_SW_ARB
ARB DISABLE
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
LATCH
SW-NO
J1-89047364
J2-89047352
J1-9
J1-6
PWM
Wipe/Wash
IP WFMS Switch
Page - Front - 2
N
IP_SW_WFHS_IND
N
IP_SW_UPA_IND
Obstacle Detection
IP UPA Switch
Page - UPA Rear - 1
Switchbank-IP-Chevy/GMC
900_sw_ip_indim 003
UPC FNA
J1- 89047364
J2- 89047352
Lights-Interior
Switch-IP-Chevy/GMC
Page - Lgt Int - 6
N
6816
IP_SW_UPA_IND
UPA DISABLED
LED
IP_SW_UPA
N
UPA DISABLE
MOM
SW-NO
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int - 5
Switchbank-IP-Chevy/GMC
900_sw_ip_upa 002
UPC FNA
J1-89047364
J2-89047352
J1-5
J1-2
J1-7
J1-8
LED
WFHS
SW-NO
MOM
WFHS
IP_SW_WFHS_BKLT
IP_SW_WFHS_IND
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int - 5
Lights-Interior
Switchbank-IP-Chevy/GMC
Page - Lgt Int - 6
Switchbank-IP-Chevy/GMC
900_sw_ip_wfhs 002
UPC FNA
J1-89047364
J2- 89047352
J1-4
PWM
BACKLIGHT
Closures ARB
IP ARB Disable Switch
Page - ARB - 1
N
IP_SW_ARB
Brakes/Veh. Speed
IP VSES Switch
Page - Base - 1
N
IP_SW_BRK
N
IP_SW_WFHS_BKLT
N
IP_SW_UPA_BKLT
Wipe/Wash
IP WFHS
Page - Frt Wprs - 2
Obstacle Detection
IP UPA Switch
Page - UPA-Rear - 1
GND
Switchbank-IP-Chevy/GMC
900_sw_ip_inlit 003
UPC FNA
J1-89047364
J2-89047352
J1-3

- **Note: This Page for Reference Only. See appropriate Subsystems for connectivity.**

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GMT900
GM Proprietary

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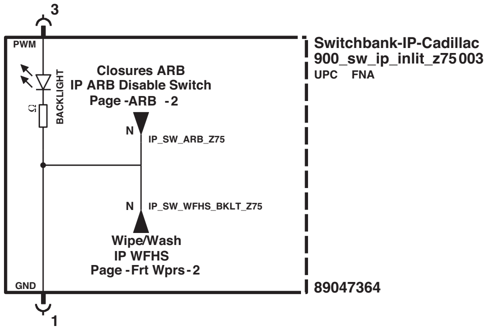
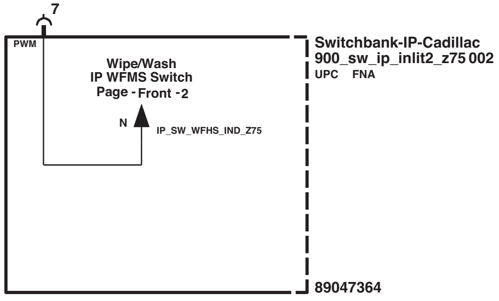
IEC/ESI

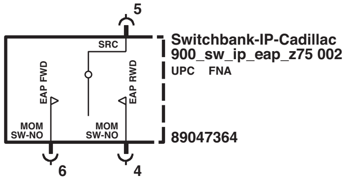
Appendix: Switchbank-IP
1_08_zz05a Panel 1 of 2

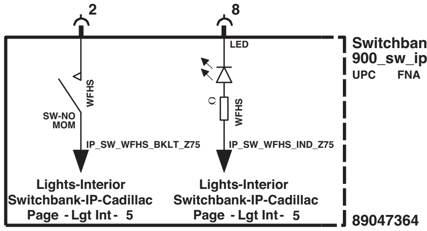
2008
GMT900
IVER
System Status: Object Status:

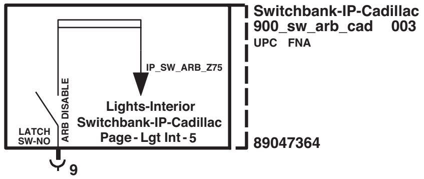
Appendix: Switchbank-IP


3
PWM
BACKLIGHT
Closures ARB
IP ARB Disable Switch
Page -ARB -2
N
IP_SW_ARB_Z75
N
IP_SW_WFHS_BKLT_Z75
Wipe/Wash
IP WFHS
Page -Frt Wprs-2
GND
1
Switchbank-IP-Cadillac
900_sw_ip_inlit_z75 003
UPC FNA
89047364


7
PWM
Wipe/Wash
IP WFMS Switch
Page - Front - 2
N
IP_SW_WFHS_IND_Z75
Switchbank-IP-Cadillac
900_sw_ip_inlit2_z75 002
UPC FNA
89047364


5
SRC
EAP FWD
EAP RWD
MOM
SW-NO
MOM
SW-NO
6
4
Switchbank-IP-Cadillac
900_sw_ip_eap_z75 002
UPC FNA
89047364


2
8
LED
WFHS
SW-NO
MOM
WFHS
IP_SW_WFHS_BKLT_Z75
IP_SW_WFHS_IND_Z75
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
Switchbank-IP-Cadillac
900_sw_ip_wfhs_z75 002
UPC FNA
89047364


IP_SW_ARB_Z75
ARB DISABLE
LATCH
SW-NO
Lights-Interior
Switchbank-IP-Cadillac
Page - Lgt Int - 5
9
Switchbank-IP-Cadillac
900_sw_arb_cad 003
UPC FNA
89047364

•Note: This Page for Reference Only. See appropriate Subsystems for connectivity.

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GMT900
GM Proprietary

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Appendix: Switchbank-IP

1_08_zz05a Panel 2 of 2

2008
GMT900
IVER
System Status: Object Status:

Special Applications – Tail Lamp Wiring for Pickup Box Removal

REAR JUNCTION BLOCK

The tail lamp wiring on the All New C/K is routed to a junction block located at the rear of the vehicle. This junction block interfaces with the rear chassis harness and breaks out the license lamp, left turn lamp and right turn lamp connections. A schematic diagram of the Rear Junction Block and tail lamp circuits is shown on pages 3 and 4. On trucks without the Pickup Box Delete (ZW9) option, this junction block is attached to the underside of the box and therefore must be relocated when removing the box. On trucks with ZW9, this junction block is attached to the left frame rail.

The parts required to relocate the Rear Junction Block to left frame are as follows:

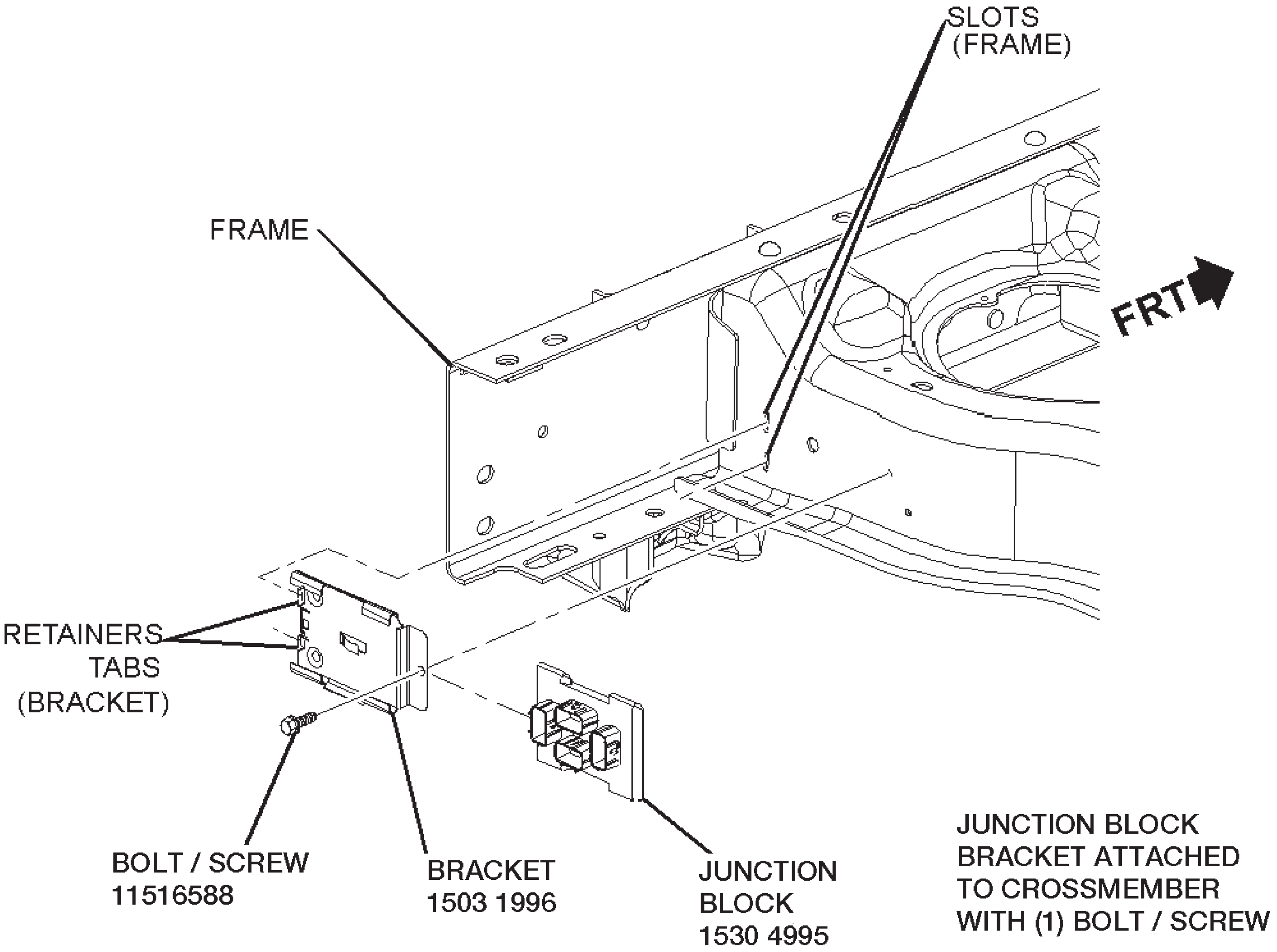
– Junction Block	Part Number: 15304995
– Junction Block Bracket	Part Number: 15031996
– Bolt/Screw (two required)	Part Number: 11516885

REAR TAIL LAMPS AND LICENSE PLATE LAMP

The parts required to install the rear tail lamps and license plate lamp assembly are as follows:

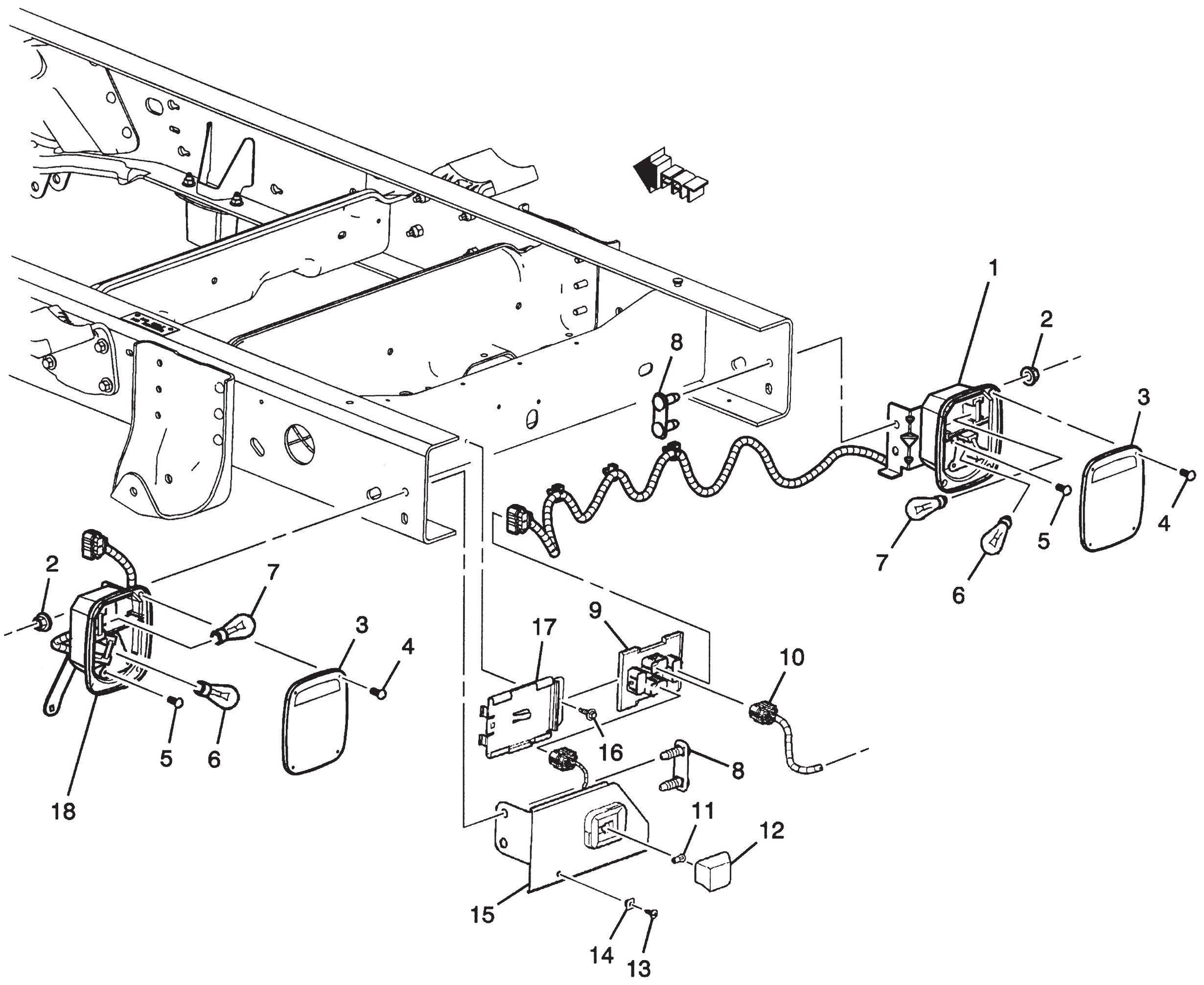
– Tail Lamp Assembly – LH	Service Part Number: 25775557
– Tail lamp Assembly – RH	Service Part Number: 25775558
– Rear License Plate Lamp Assembly	Service Part Number: 15154884
– Stud/plate Assembly (two required)	Service Part Number: 11609856
– Nut (four required)	Service Part Number: 03537772

Special Applications – Rear Junction Block / Bracket Installation – Chassis Cab and Box Delete (ZW9) Trucks


SLOTS (FRAME)
FRAME
FRT
RETAINERS TABS (BRACKET)
BOLT / SCREW 11516588
BRACKET 1503 1996
JUNCTION BLOCK 1530 4995

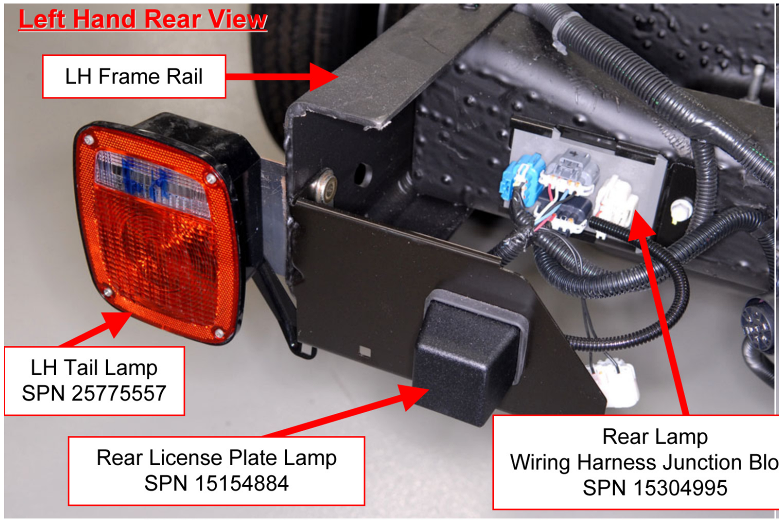
JUNCTION BLOCK BRACKET ATTACHED TO CROSSMEMBER WITH (1) BOLT / SCREW

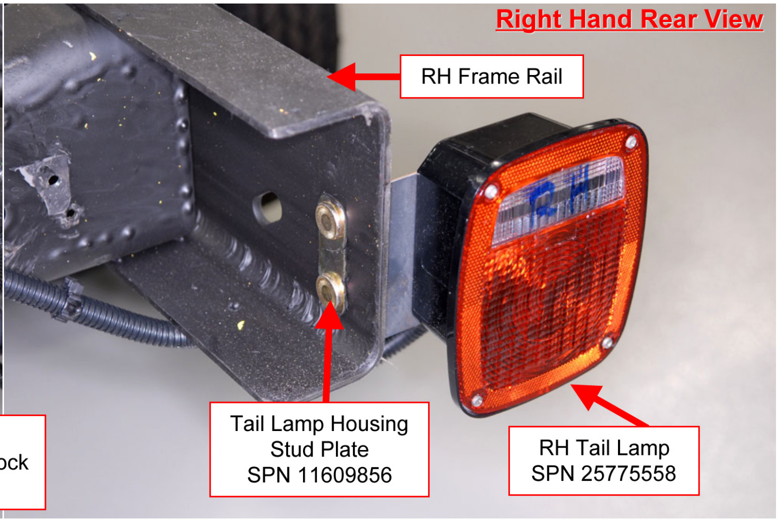
Special Applications – Tail Lamps / Rear Junction Block – Chassis Cab and Box Delete (ZW9) Trucks

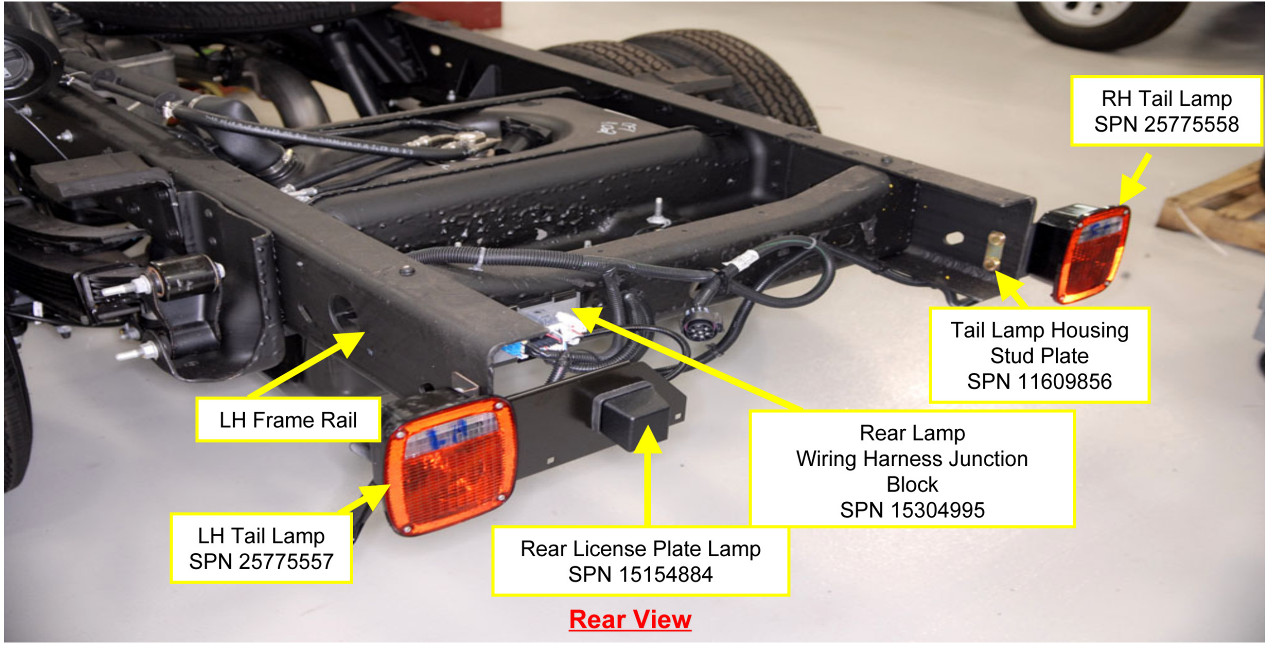


Item	Part Number	Part Description
1	25775558	Lamp, Tail - RH
2	03537772	Nut, Tail Lamp
3	25806796	Lens, Tail Lamp
4	11570316	Screw, Tail Lamp Lens
5	11570317	Screw, Tail Lamp Bracket
6	09428902	Bulb, Tail/Stop/Turn – 1157
7	09417866	Bulb, Backup – 1156
8	11609856	Plate, Tail Lamp Housing Stud
9	15304995	Block, Rear Lamp Wiring Harness Junction
10	--	Harness, Chassis Wiring
11	09421777	Bulb, License Plate – 97
12	NS	Cover, Rear License Plate Lamp
13	09423101	Screw, License Plate
14	03907444	Nut, Push In
15	15154884	Lamp, Rear License Plate
16	11516885	Screw, Rear Lamp Wiring Harness Junction Block Bracket
17	15031996	Bracket, Rear Lamp Wiring Harness Junction Block
18	25775557	Lamp, Tail – LH

Special Applications – Tail Lamps/Rear Junction Block – Chassis Cab and Box Delete (ZW9) Trucks

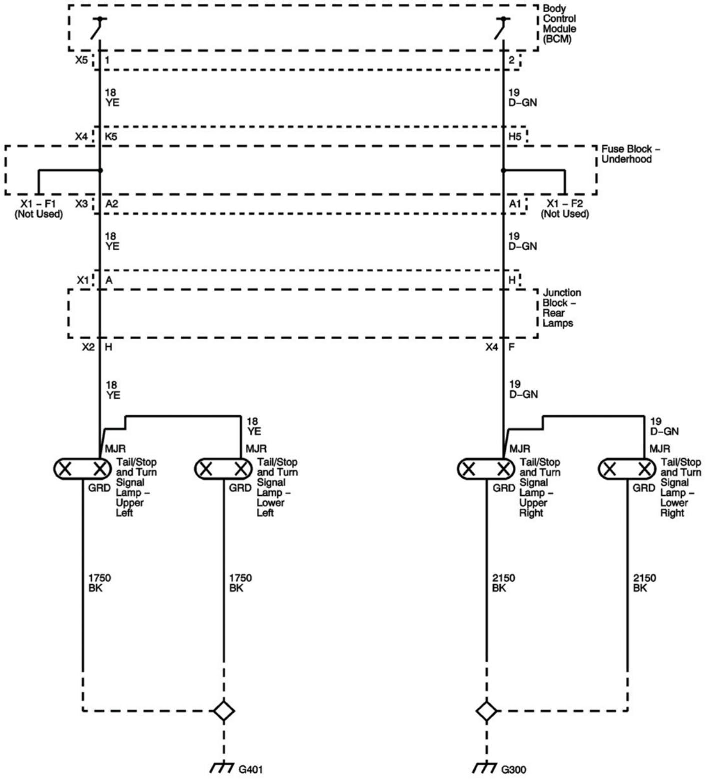

Left Hand Rear View
LH Frame Rail
LH Tail Lamp SPN 25775557
Rear License Plate Lamp SPN 15154884
Rear Lamp Wiring Harness Junction Block SPN 15304995


Right Hand Rear View
RH Frame Rail
Tail Lamp Housing Stud Plate SPN 11609856
RH Tail Lamp SPN 25775558


RH Tail Lamp SPN 25775558
Tail Lamp Housing Stud Plate SPN 11609856
LH Frame Rail
Rear Lamp Wiring Harness Junction Block SPN 15304995
LH Tail Lamp SPN 25775557
Rear License Plate Lamp SPN 15154884
Rear View

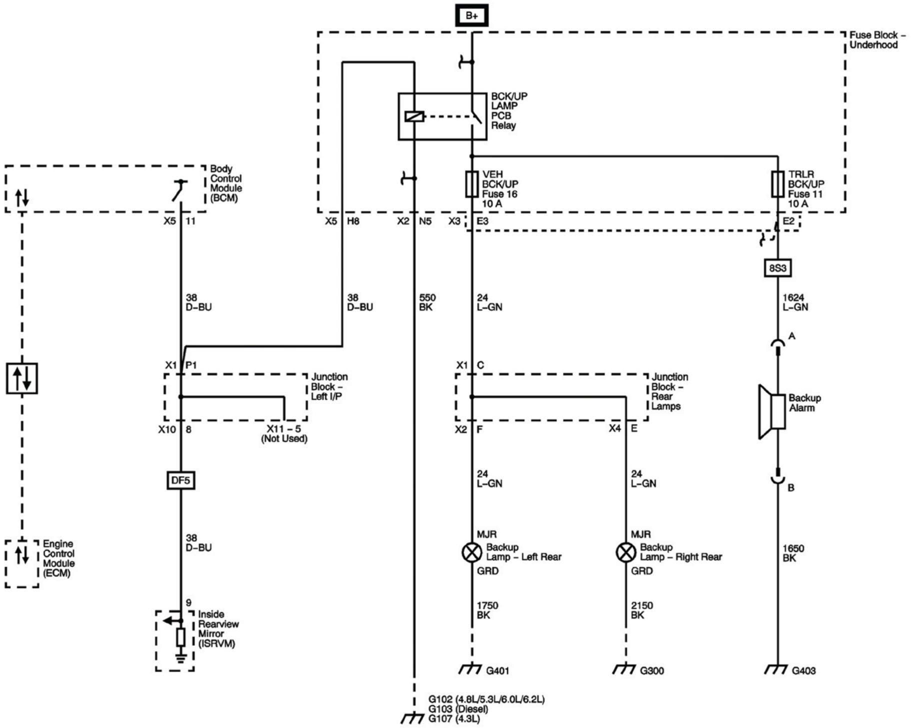
Special Applications – Schematics – Rear Lamps – Chassis Cab and Box Delete (ZW9) Trucks

Rear Stop/Turn Signal Lamps


Body Control Module (BCM)
X5
1
2
18 YE
19 D–GN
X4
K5
H5
Fuse Block – Underhood
X1 – F1 (Not Used)
X3
A2
A1
X1 – F2 (Not Used)
18 YE
19 D–GN
X1
A
H
Junction Block – Rear Lamps
X2
H
X4
F
18 YE
19 D–GN
18 YE
19 D–GN
MJR
GRD
Tail/Stop and Turn Signal Lamp – Upper Left
Tail/Stop and Turn Signal Lamp – Lower Left
Tail/Stop and Turn Signal Lamp – Upper Right
Tail/Stop and Turn Signal Lamp – Lower Right
1750 BK
1750 BK
2150 BK
2150 BK
G401
G300

#1914955

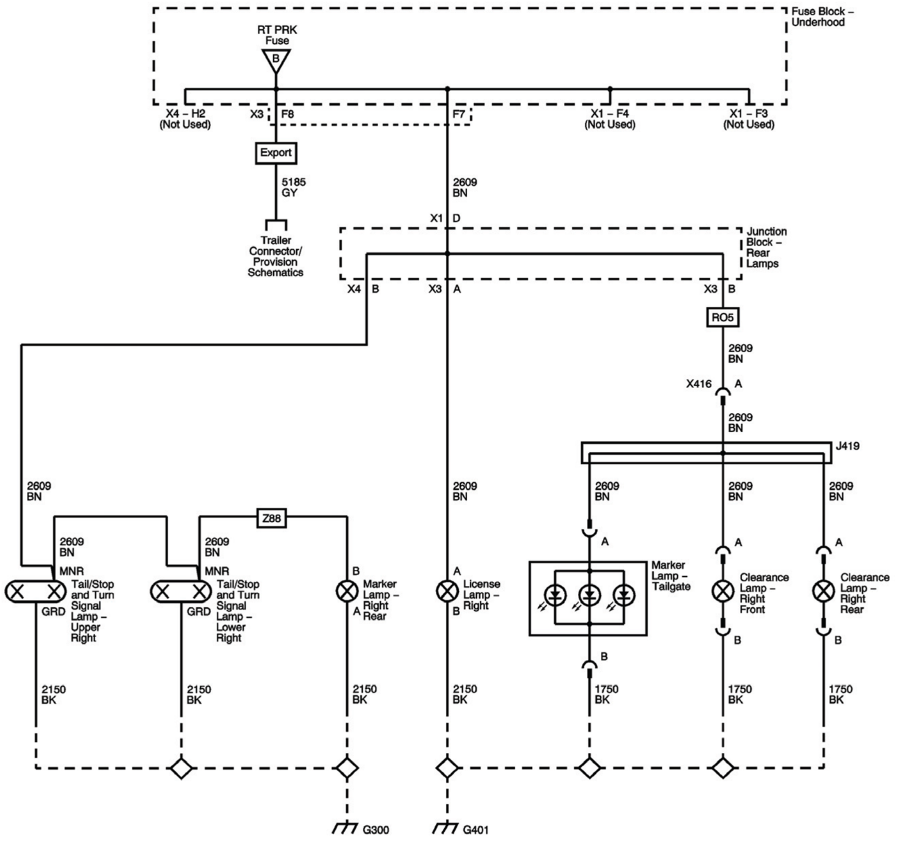
Backup Lamps and Backup Alarm


B+
Fuse Block – Underhood
BCK/UP LAMP PCB Relay
Body Control Module (BCM)
VEH BCK/UP Fuse 16 10 A
TRLR BCK/UP Fuse 11 10 A
X5
11
X5
H8
X2
N5
X3
E3
E2
8S3
38 D–BU
38 D–BU
550 BK
24 L–GN
1624 L–GN
A
X1
P1
Junction Block – Left I/P
X1
C
Junction Block – Rear Lamps
Backup Alarm
X10
8
X11 – 5 (Not Used)
X2
F
X4
E
DF5
24 L–GN
24 L–GN
B
38 D–BU
MJR
Backup Lamp – Left Rear
Backup Lamp – Right Rear
GRD
1650 BK
Engine Control Module (ECM)
1750 BK
2150 BK
9
Inside Rearview Mirror (ISRVM)
G401
G300
G403
G102 (4.8L/5.3L/6.0L/6.2L)
G103 (Diesel)
G107 (4.3L)

#1914964

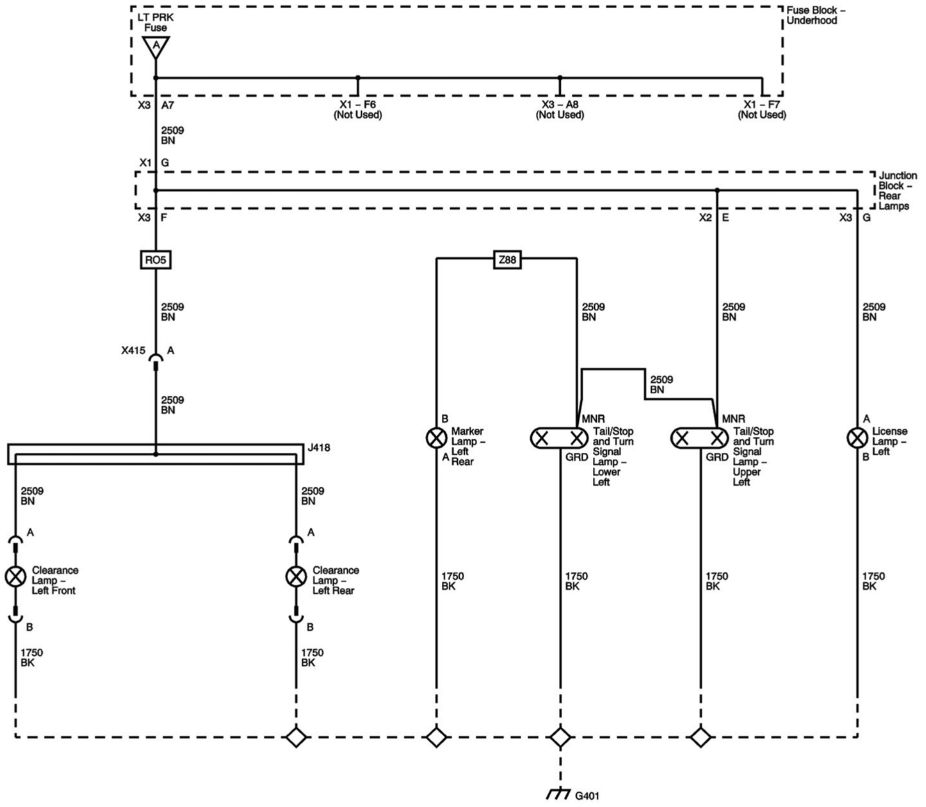
Special Applications – Schematics – Rear Lamps – Chassis Cab and Box Delete (ZW9) Trucks

Right Rear Park Lamps


Fuse Block – Underhood
RT PRK Fuse
B
X4 – H2 (Not Used)
X3 F8
F7
X1 – F4 (Not Used)
X1 – F3 (Not Used)
Export
5185 GY
Trailer Connector/ Provision Schematics
2609 BN
X1 D
Junction Block – Rear Lamps
X4 B
X3 A
X3 B
RO5
2609 BN
X416 A
J419
Z88
MNR
GRD
Tail/Stop and Turn Signal Lamp – Upper Right
Tail/Stop and Turn Signal Lamp – Lower Right
Marker Lamp – Right Rear
License Lamp – Right
Marker Lamp – Tailgate
Clearance Lamp – Right Front
Clearance Lamp – Right Rear
A
B
2150 BK
1750 BK
G300
G401

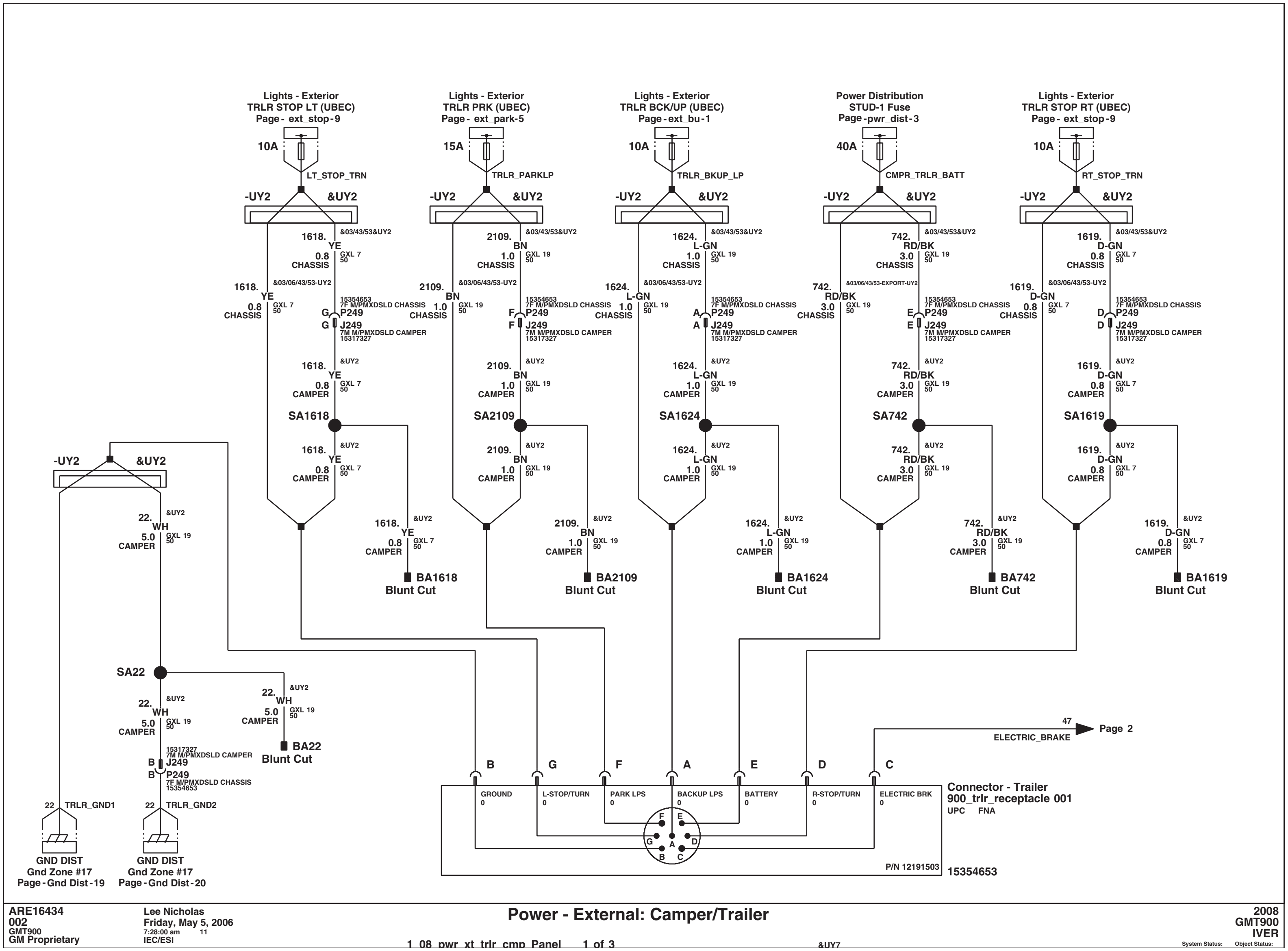
#1914947

Left Rear Park Lamps


Fuse Block – Underhood
LT PRK Fuse
A
X3 A7
X1 – F6 (Not Used)
X3 – A8 (Not Used)
X1 – F7 (Not Used)
2509 BN
X1 G
Junction Block – Rear Lamps
X3 F
X2 E
X3 G
RO5
Z88
X415 A
J418
MNR
GRD
Clearance Lamp – Left Front
Clearance Lamp – Left Rear
Marker Lamp – Left Rear
Tail/Stop and Turn Signal Lamp – Lower Left
Tail/Stop and Turn Signal Lamp – Upper Left
License Lamp – Left
B
1750 BK
G401

#1914940

Special Applications – Schematics – Trailer – Chassis Cab and Box Delete (ZW9) Trucks


Lights - Exterior
TRLR STOP LT (UBEC)
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10A
LT_STOP_TRN
-UY2
&UY2
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YE
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CHASSIS
GXL 7
50
&03/43/53&UY2
&03/06/43/53-UY2
15354653
7F M/PMXDSLD CHASSIS
G P249
G J249
7M M/PMXDSLD CAMPER
15317327
CAMPER
SA1618
BA1618
Blunt Cut
Lights - Exterior
TRLR PRK (UBEC)
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15A
TRLR_PARKLP
2109.
BN
1.0
GXL 19
F P249
F J249
SA2109
BA2109
Blunt Cut
Lights - Exterior
TRLR BCK/UP (UBEC)
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10A
TRLR_BKUP_LP
1624.
L-GN
A P249
A J249
SA1624
BA1624
Blunt Cut
Power Distribution
STUD-1 Fuse
Page - pwr_dist - 3
40A
CMPR_TRLR_BATT
742.
RD/BK
3.0
&03/06/43/53-EXPORT-UY2
E P249
E J249
SA742
BA742
Blunt Cut
Lights - Exterior
TRLR STOP RT (UBEC)
Page - ext_stop - 9
10A
RT_STOP_TRN
1619.
D-GN
D P249
D J249
SA1619
BA1619
Blunt Cut
22.
WH
5.0
CAMPER
SA22
BA22
Blunt Cut
B J249
B P249
15317327
7M M/PMXDSLD CAMPER
7F M/PMXDSLD CHASSIS
15354653
22 TRLR_GND1
22 TRLR_GND2
GND DIST
Gnd Zone #17
Page - Gnd Dist - 19
GND DIST
Gnd Zone #17
Page - Gnd Dist - 20
47
ELECTRIC_BRAKE
Page 2
B
G
F
A
E
D
C
GROUND
L-STOP/TURN
PARK LPS
BACKUP LPS
BATTERY
R-STOP/TURN
ELECTRIC BRK
0
Connector - Trailer
900_trlr_receptacle 001
UPC FNA
P/N 12191503
15354653
ARE16434
002
GMT900
GM Proprietary
Lee Nicholas
Friday, May 5, 2006
7:28:00 am 11
IEC/ESI
Power - External: Camper/Trailer
1_08_pwr_xt_trlr_cmp_Panel 1 of 3
&UY7
2008
GMT900
IVER
System Status:
Object Status:

Special Applications – Junction Block Connector X1 – Chassis Cab and Box Delete (ZW9) Trucks

Junction Block - Rear Lamps - X1 Connector Part Information

- OEM: 15317304
- Service: 15306114
- Description: 8-way F GT 280 Sealed (BU)

Terminal Part Information

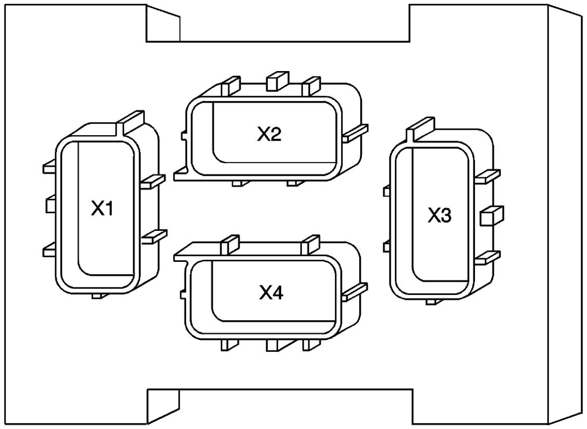
- **Pins: A, C, D, G, H**
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

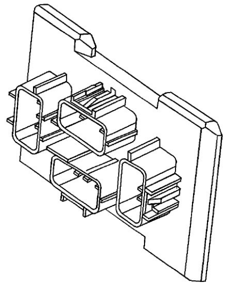
- **Pins: B, E**
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X1

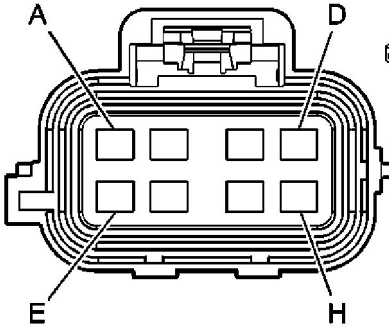
Pin	Wire Color	Circuit No.	Function
A	0.5 YE	18	Left Rear Stop/Turn Lamp Supply Voltage
B	2 BK	2150	Ground
C	0.8 L-GN	24	Backup Lamp Supply Voltage
D	0.5 BN	2609	Right Rear Park Lamps Supply Voltage
E	2 BK	1750	Ground
F	--	--	Not Used
G	0.8 BN	2509	Left Rear Park Lamp Supply Voltage
H	0.5 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage

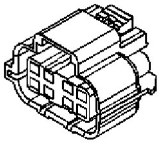
Junction Block- Rear Lamps





Junction Block- Rear Lamps X1





Special Applications – Junction Block Connectors X2 & X3 – Chassis Cab and Box Delete (ZW9) Trucks

Junction Block - Rear Lamps - X2
Connector Part Information

- OEM: 15317305
- Service: 15306338
- Description: 8-way F GT 280 Sealed (GY)

Terminal Part Information

- **Pins: A, C, D, G, H**
- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: 2/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

- **Pins: B, E**
- Terminal/Tray: 15304717/8
- Core/Insulation Crimp: 4/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X2			
Pin	**Wire Color**	**Circuit No.**	**Function**
A-B	--	--	Not
C	0.8 BK	1750	Ground
D	--	--	Not Used
E	0.8 BN	2509	Left Rear Park Lamps Supply Voltage
F	0.8 L-GN	24	Backup Lamp Supply Voltage
G	--	--	Not Used
G	0.8 BN	2509	Left Rear Park Lamp Supply Voltage
H	0.8 YE	18	Left Rear Stop/Turn Lamp Supply Voltage

Junction Block - Rear Lamps - X3
Connector Part Information

- OEM: 15317308
- Service: 15306135
- Description: 8-way F GT 280 Sealed 5.2 (BN)

Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X3			
Pin	**Wire Color**	**Circuit No.**	**Function**
A	0.5 BN	2609	Right Rear Park Lamps Supply Voltage
B	0.5 BN	2609	Right Rear Park Lamps Supply Voltage (R05)
C	0.5 BK	1750	Ground (R05)
D	0.5 BK	1750	Ground (R05)
E	0.5 BK	1750	Ground
F	0.5 BN	2509	Left Rear Park Lamps Supply Voltage (R05)
G	0.5 BN	2509	Left Rear Park Lamps Supply Voltage
H	0.5 BK	1750	Ground

Special Applications – Junction Block Connector X4 – Chassis Cab and Box Delete (ZW9) Trucks

Junction Block - Rear Lamps - X4 Connector Part Information

- OEM: 15317306
- Service: 15306339
- Description: 8-way F GT 280 Sealed 5.2 (BK)

Terminal Part Information

- Terminal/Tray: 15304716/8
- Core/Insulation Crimp: E/1
- Release Tool/Test Probe: 15315247/J-35616-4A (PU)

Junction Block - Rear Lamps, X4			
Pin	**Wire Color**	**Circuit No.**	**Function**
A	0.8 BK	2150	Ground
B	0.8 BN	2609	Right Rear Park Lamps Supply Voltage
C-D	--	--	Not Used
E	0.8 L-GN	24	Backup Lamp Supply Voltage
F	0.8 D-GN	19	Right Rear Stop/Turn Lamp Supply Voltage
G-H	--	--	Not Used